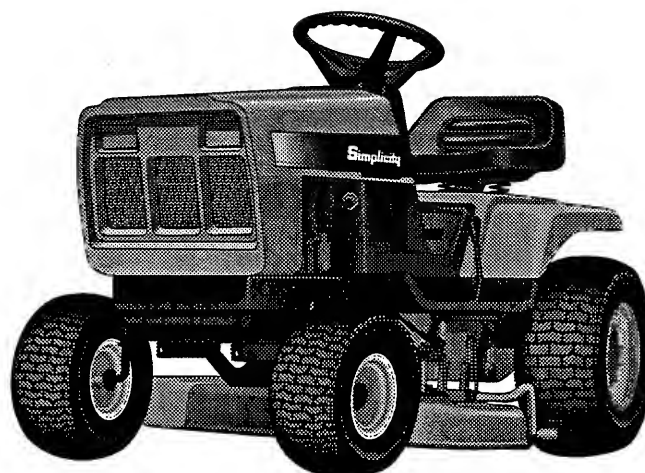


Simplicity
AGCO ALLIS

Parts Manual



12RTH & 12LTH SERIES LAWN TRACTORS & MOWER DECKS

12HP HYDRO TRACTORS

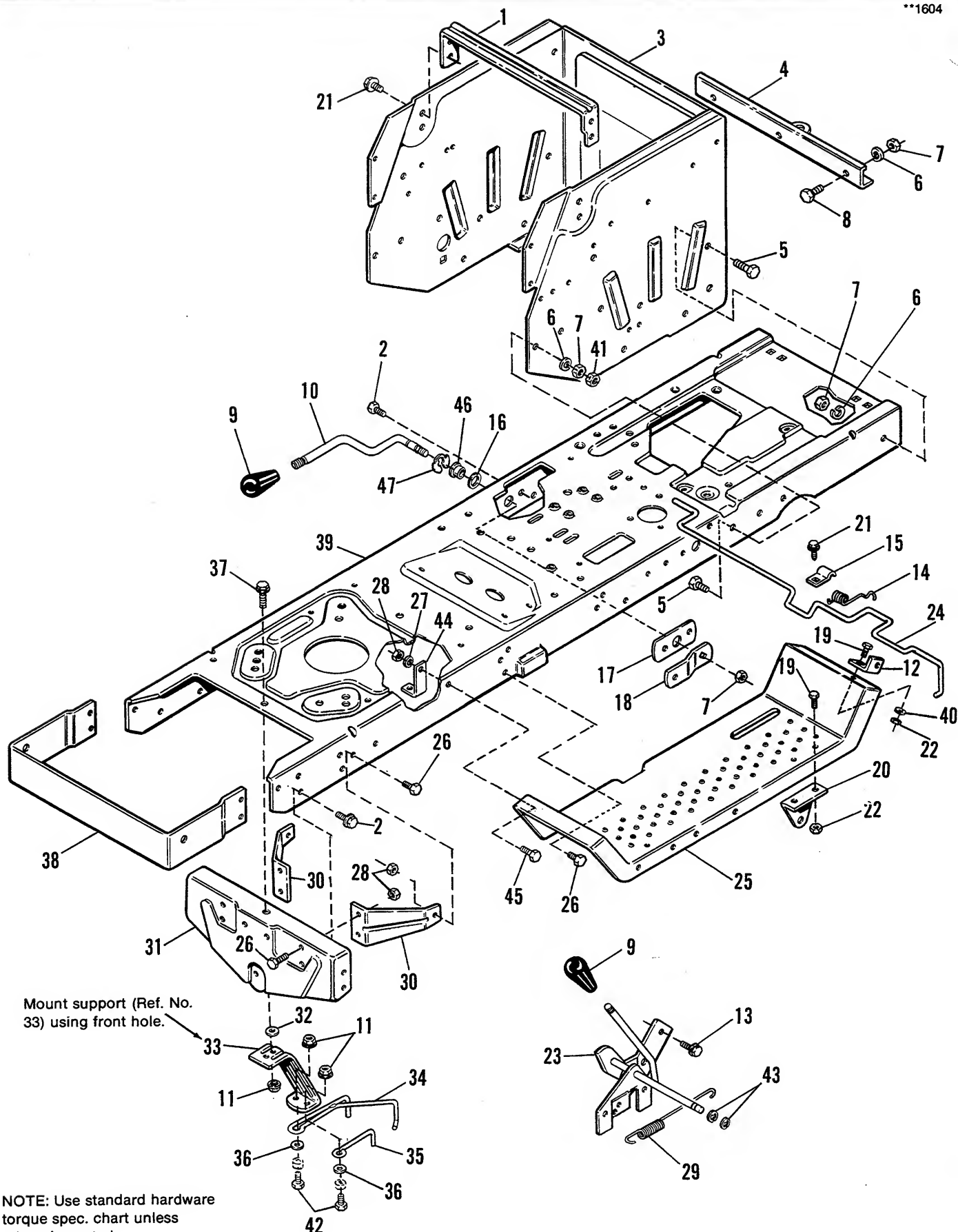
Mfg. No.	Description
1692053	12RTH, 12HP Hydro
1691931	12LTH, 12HP Hydro

36" MOWER DECKS

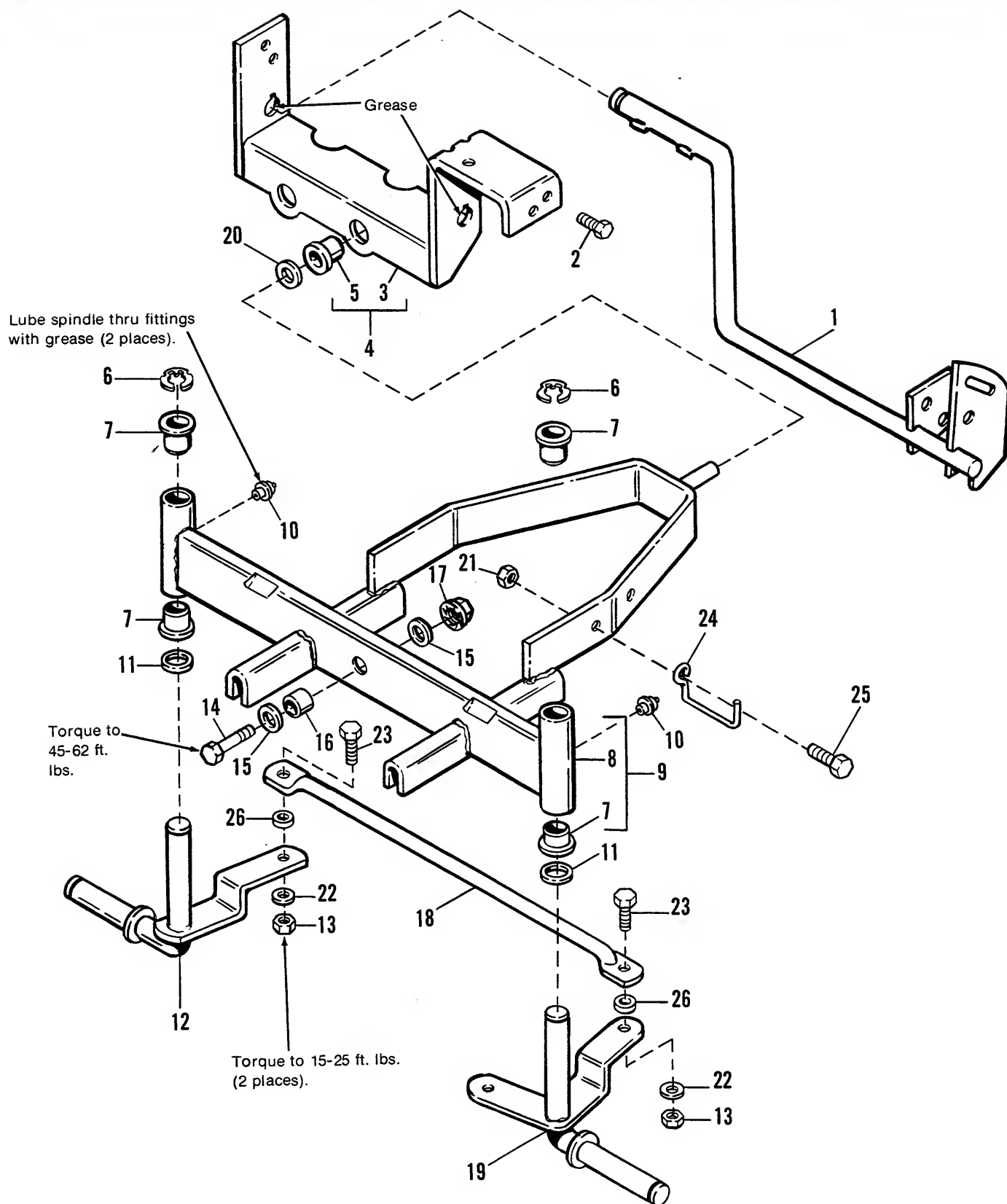
Mfg. No.	Description
1691419	36" Mower Deck

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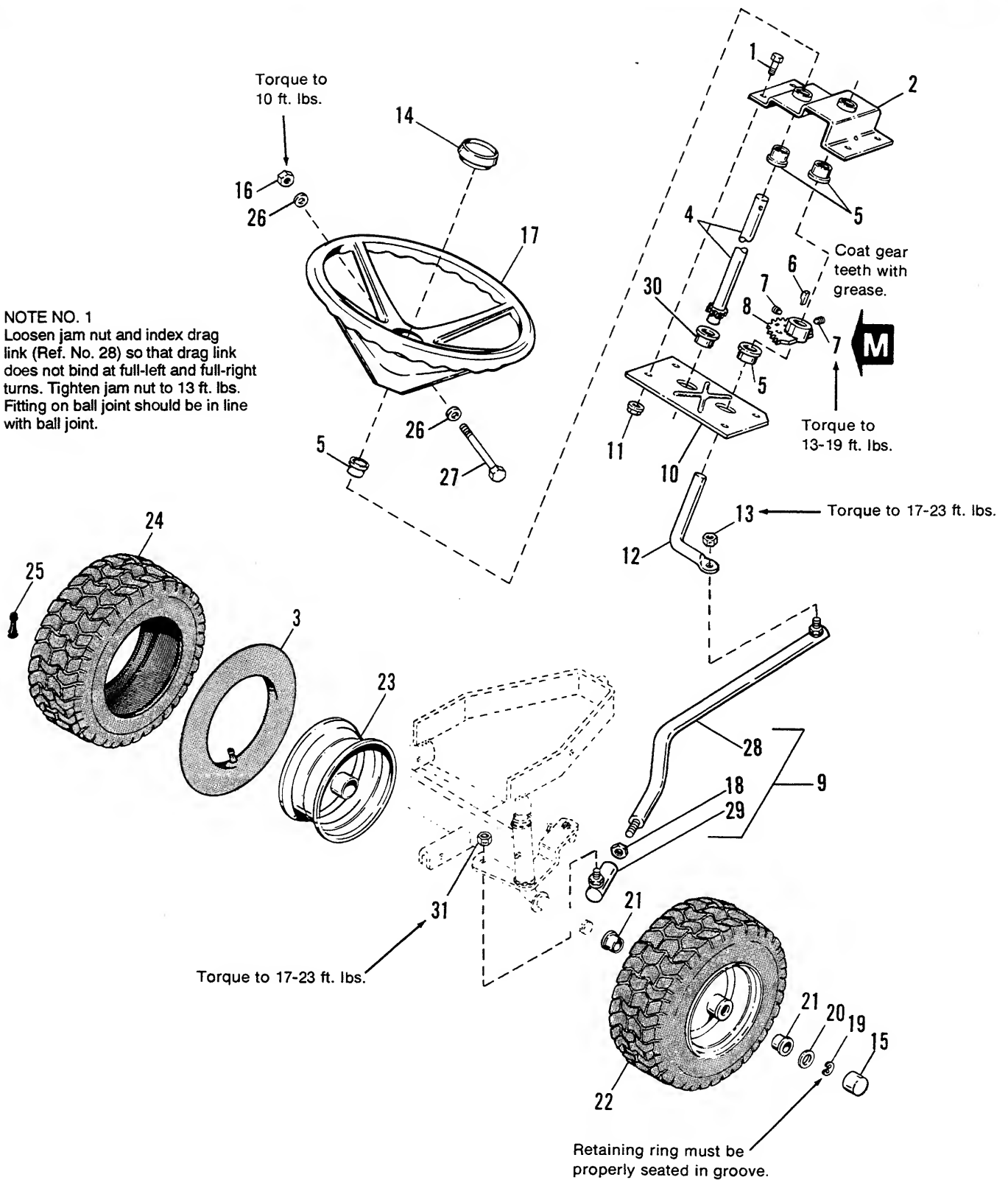


Ref. No.	Part No.	Qty.	Description
1	1654707	1	BRACE, Seat
2	1664847	7	SCREW, Taptite, 5/16-18 x 3/4
3	1702627	1	SUPPORT, Axle Wrapper
4	1655591	1	BAR, Draw
5	1921210	6	CAPSCREW, Hex, 3/8-16 x 1, Gr. 5
6	1916965	9	LOCKWASHER, 3/8
7	1916950	10	NUT, Hex, 3/8-16
8	1921965	3	CAPSCREW, Hex, 3/8-16 x 1
9	172038	2	GRIP, Handle
10	1685412	1	HANDLE, Lift (Incl. Ref. Nos. 46 & 47)
11	1927557	2	NUT, Hex, Flange Whizlock, 5/16
12	1700670	1	BRACKET, Seat Latch
13	1925003	2	SCREW, Taptite, 1/4-20 x 1/2
14	1701314	1	SPRING, Torsion
15	1678388	2	CLIP, Latch Rod
16	960171	1	WASHER, Nylon
17	1656754	1	BAR, Support
18	1656755	1	ARM, Support
19	1921959	3	CAPSCREW, Hex, 1/4-20 x 5/8
20	1654783	1	SUPPORT, Clutch
21	1924856	6	SCREW, Taptite, 5/16-18 x 1/2
22	1916622	3	NUT, Hex, 1/4-20
23	1702452	1	LEVER ASSY., Clutch
24	1702322	1	ROD, Latch
25	1679938	2	FOOTREST
26	1921332	13	CAPSCREW, Hex, 5/16-18 x 3/4
27	1917356	8	LOCKWASHER, 5/16
28	1917372	14	NUT, Hex, 5/16-18
29	1673911	1	SPRING, Extension
30	1655076	2	BRACE, Axle Support
31	1664034	1	SUPPORT, Axle
32	1919381	1	WASHER, Plain, 11/32-1 x 10 Ga.
33	1665803	1	SUPPORT
34	1672118	1	STOP, Belt
35	1665812	1	STOP, Belt
36	1919326	2	WASHER, 11/32
37	1930595	1	CAPSCREW, Hex Flange Whizlock, 5/16-18x 1-1/4
38	1656791	1	SUPPORT
39	1705875	1	FRAME
40	1921319	1	WASHER, 9/32 Dia.
41	1960251	1	NUT, Hex, Jam Lock, 3/8-16
42	1923325	2	CAPSCREW, 5/16-18 x 7/8
43	158399	2	RING, Retaining, 1/2
44	1705873	1	BRACKET, Spring
45	1921333	1	CAPSCREW, Hex, 5/16-18 x 1
46	1704505	1	BUSHING
47	1703805	1	KLIPRING, 1/2



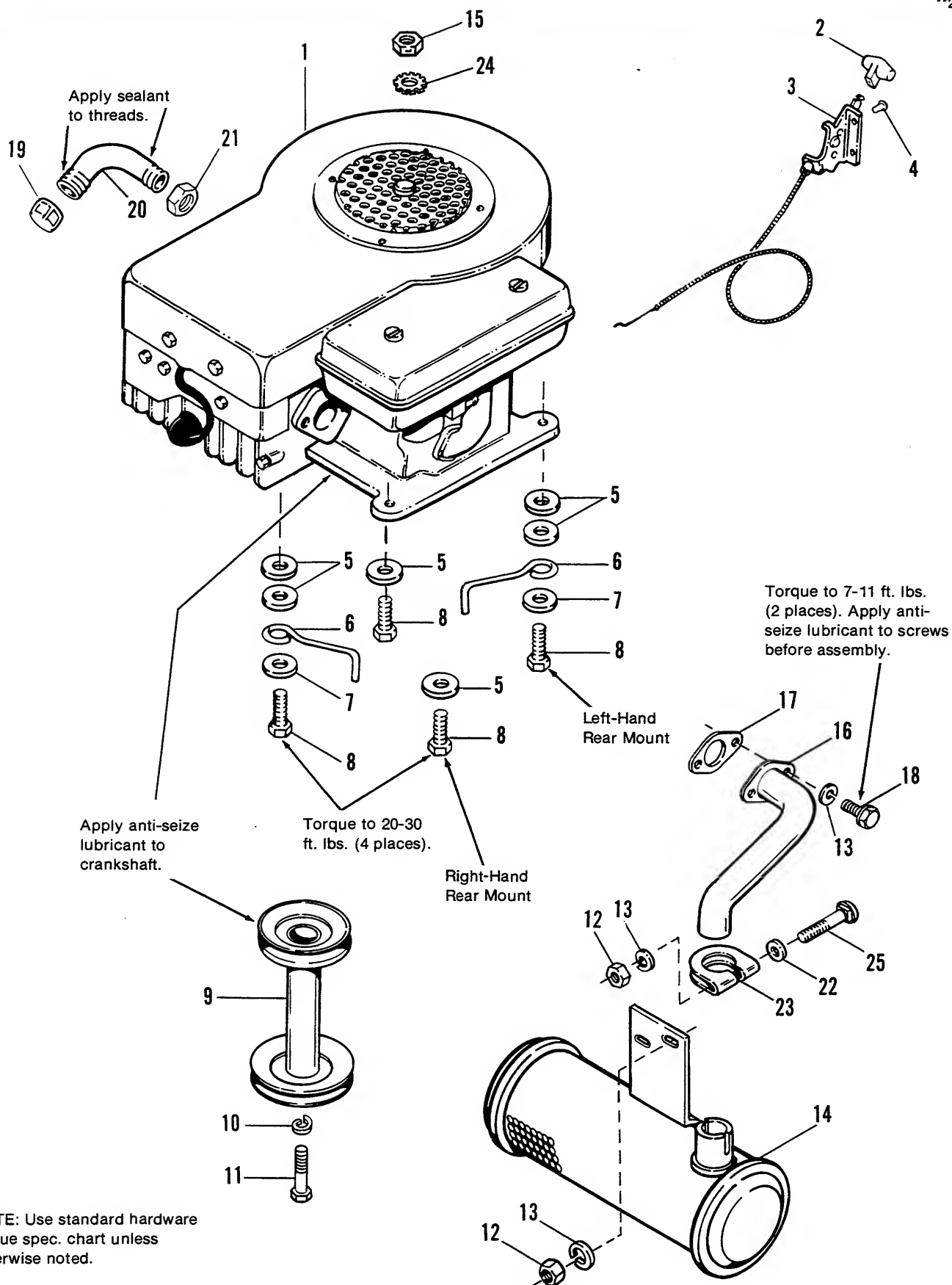
Ref. No.	Part No.	Qty.	Description
1	1705822	1	LEVER ASSY., Brake
2	1664847	5	SCREW, Taptite, 5/16-18 x 3/4
3		1	SUPPORT ASSY., Axle, Rear (See Ref. No. 4)
4	1665601	1	SUPPORT ASSY., Rear w/Bushing (Includes Ref. No. 3 & 5)
5	1663114	1	BUSHING
6	1611710	2	"E" RING, Ext. 3/4
7	176440	4	BUSHING
8		1	AXLE SUB ASSY. (See Ref. No. 9)
9	1611708	1	AXLE ASSY., Front (Includes Ref. No. 7 & 8)
10	921133	2	FITTING, Lube, Drive Type
11	1960114	2	WASHER
12	1611703	1	SPINDLE ASSY. R.H.
13	1930651	2	LOCKNUT, Hex, 3/8-16
14	1921525	1	CAPSCREW, Hex, 1/2-13 x 1-3/4, Gr. 8
15	1924361	2	WASHER, 17/32
16	1671260	1	SPACER
17	1960362	1	NUT, Hex Flangelock, 1/2-13
18	1611715	1	TIE ROD ASSY.
19	1705918	1	SPINDLE ASSY., L.H.
20	1960020	1	WASHER, 21/32
21	1917372	1	NUT, Hex, 5/16-18
22	1924940	2	WASHER, 3/8
23	1921210	2	CAPSCREW, 3/8-16 x 1
24	1668147	1	GUIDE, Drag Link
25	1921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
26	1611705	2	SPACER, Spindle

NOTE NO. 1
Loosen jam nut and index drag link (Ref. No. 28) so that drag link does not bind at full-left and full-right turns. Tighten jam nut to 13 ft. lbs. Fitting on ball joint should be in line with ball joint.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1921332	4	CAPSCREW, 5/16-18 x 3/4
2	1667513	1	TOP PLATE, Steering
3	1664090	1	TUBE (For Service Only)
4	1701266	1	SHAFT ASSY., Steering
5	176440	4	BUSHING
6	1667622	1	KEY
7	1928721	2	SETSCREW, 5/16-18 x 1/2, Gr. 8
8	1675388	1	GEAR, Steering
9	1705914	1	LINK ASSY., Drag (Includes Ref. Nos. 18, 28, & 29)
10	1652743	1	BASE PLATE, Steering
11	1935048	4	LOCKNUT, Flange, Whiz, 5/16-18
12	1674076	1	ROD, Steering
13	1668927	1	NUT, Special, 3/8-24
14	1657017	1	CAP, Steering Wheel
15	1673333	2	CAP, Hub, Threaded
16	1923362	1	LOCKNUT, Hex, 5/16-18
17	1670989	1	WHEEL, Steering
18	1919262	1	NUT, Jam, 1/2-20
19	1611710	2	"E" RING, Ext., 3/4
20	960202	2	WASHER
21	1679713	4	BEARING
22	1705376	2	WHEEL & TIRE ASSY., 15 x 6.00-6
23	1705377	2	WHEEL
24	1653618	2	TIRE (Carlisle), 15 x 6.00-6, Turf Saver
25	172353	2	STEM, Valve
26	1919326	2	WASHER, Plain, 5/16
27	1925690	1	BOLT, Hex, 5/16-18 x 3-1/2
28		1	LINK, Drag (See Ref. No. 9)
29	1705437	1	BALL JOINT ASSY.
30	1671737	1	BUSHING
31	1930245	1	NUT, Hex Centerlock, 1/2-20

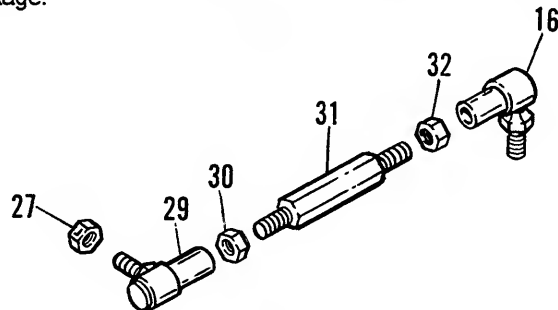


Ref. No.	Part No.	Qty.	Description
1		1	ENGINE, 12 HP
2	1656099	1	KNOB, Throttle
3	1657272	1	CONTROL ASSY., Throttle (Early models with 13" Cable)
	1707388	1	CONTROL ASSY., Throttle (Later models with 14" Cable)
4	960241	2	RIVET, Pop, 1/4
5	1924356	6	WASHER, Plain, 3/8
6	172844	2	STOP, Belt
7	1924940	2	WASHER, 13/32
8	1930598	4	SCREW, Taptite, 3/8-16 x 1-1/2
9	1674165	1	PULLEY ASSY., Engine
10	1918199	1	LOCKWASHER, 7/16
11	1928038	1	CAPSCREW, Hex, 7/16-20 x 1-1/4
12	1917372	3	NUT, Hex, 5/16-18
13	1917356	5	LOCKWASHER, 5/16
14	1655848	1	MUFFLER
15	1960251	1	NUT, Hex, Jam Lock, 3/8-16
16	1655860	1	PIPE, Exhaust
17	1650670	1	GASKET, Muffler
18	1921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
19	1667346	1	CAP, Pipe, 3/8
20	1658032	1	PIPE, Oil Drain & Cap (Incl. Ref. Nos. 19, 21)
21	1932849	1	LOCKNUT, Conduit, 3/8
22	1919326	1	WASHER, 5/16
23	1676183	1	CLAMP, Exhaust
24	920427	1	LOCKWASHER, Ext. (Zinc Pltd.)
25	1931342	1	BOLT, Carriage, 5/16-18 x 2-3/4

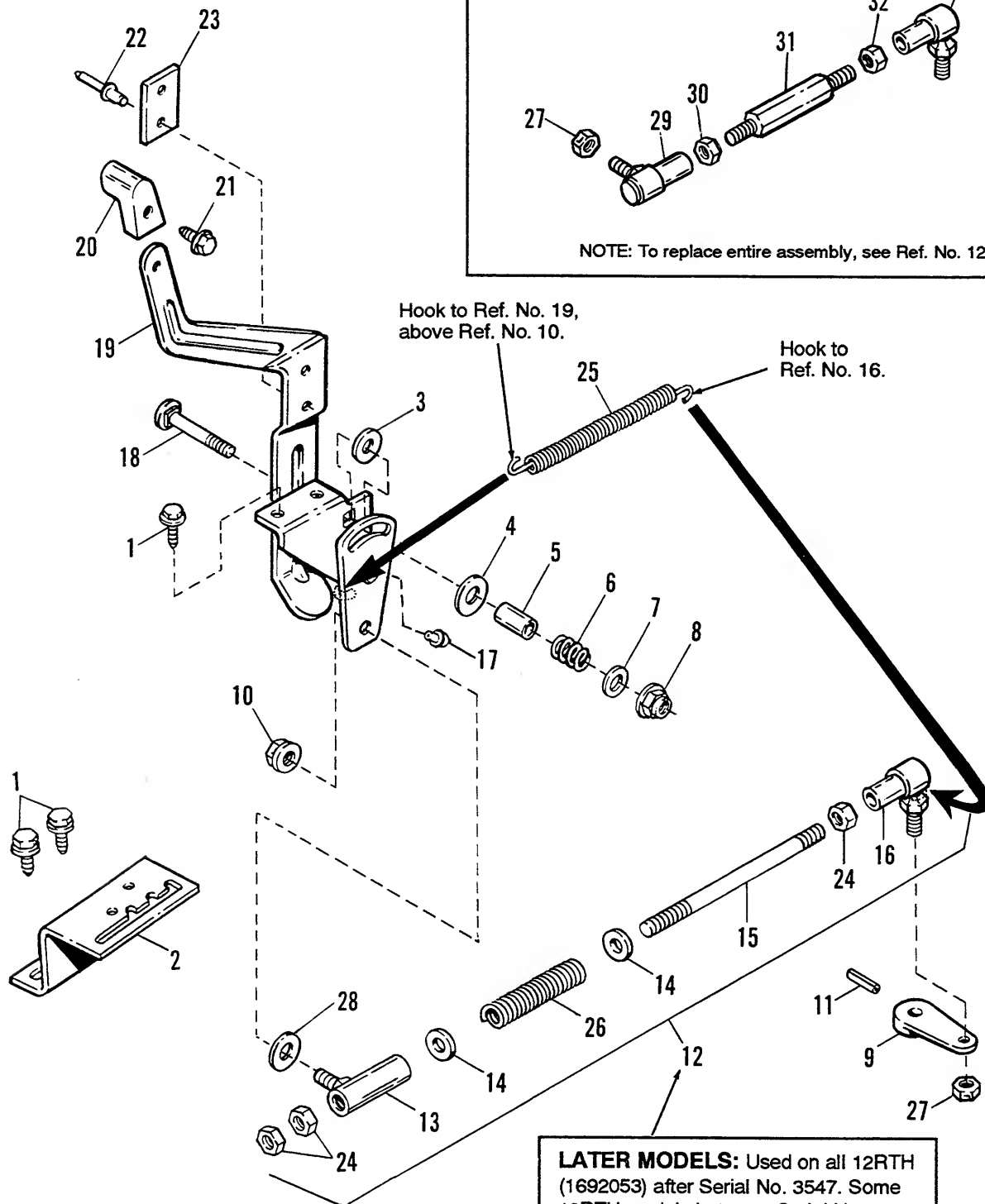
NOTE: Use Simplicity engine oil as follows:

- SAE 30W SG/CC for temperature operating range of 32° F and above. See inside front cover for part number.
- 5W30 SF/CD for temperature operating range of 32° and under. See inside front cover for part number.

EARLY MODELS: Used on all 12LTH (1691931); and 12RTH (1692053) before Serial No. 3432. Some 12RTH models between Serial Nos. 3432-3547 may be built with early model Speed Control Linkage.



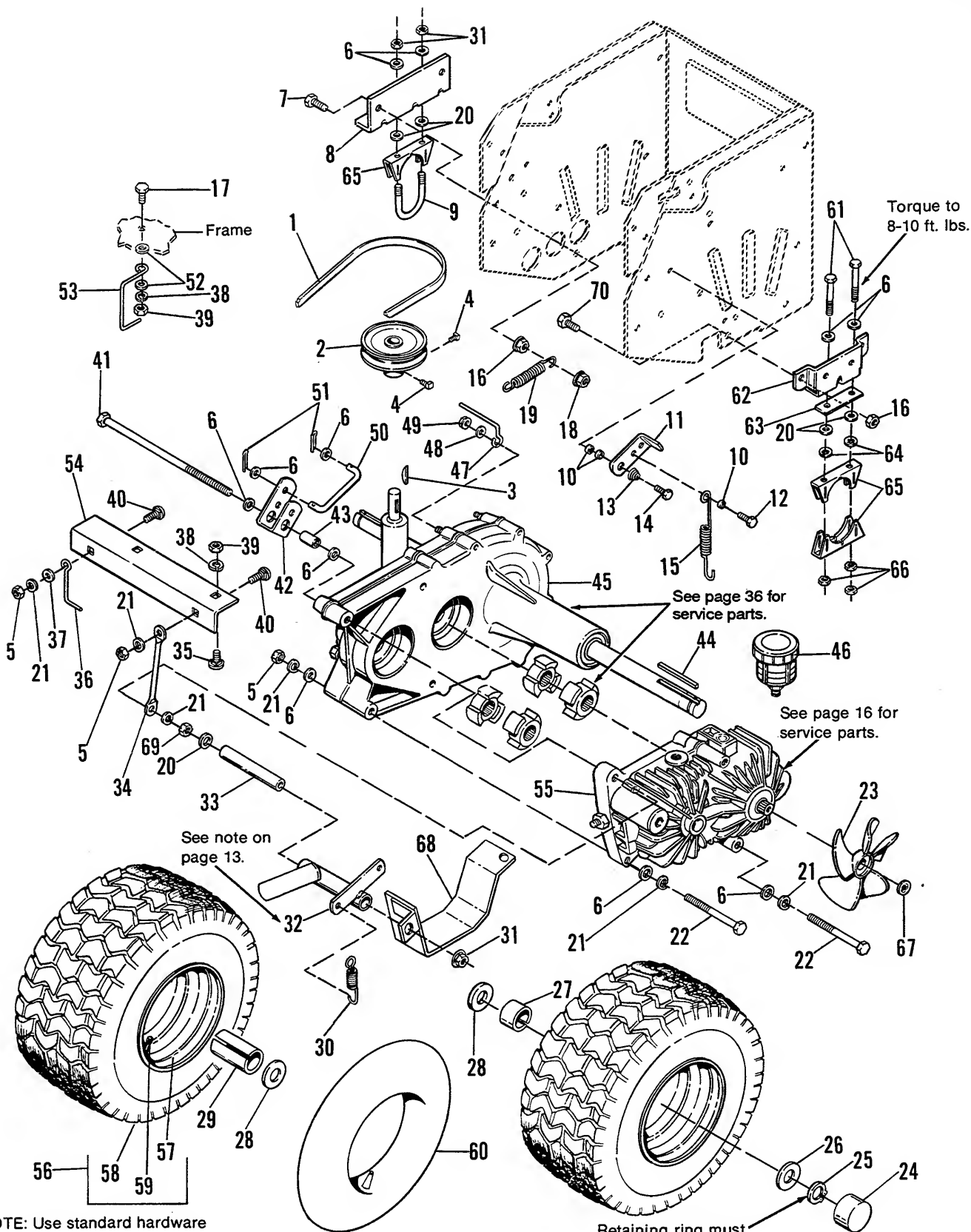
NOTE: To replace entire assembly, see Ref. No. 12.



LATER MODELS: Used on all 12RTH (1692053) after Serial No. 3547. Some 12RTH models between Serial Nos. 3432-3547 may be built with later model Speed Control Linkage.

Note: Use standard hardware torque spc. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1664847	4	SCREW, Taptite, 5/16-18 x3/4
2	1671009	1	QUADRANT
3	1960044	1	WASHER, 11/32 x 1-1/4
4	1960020	1	WASHER, 21/32 x 1-1/4 x 1/16
5	1705871	1	SPACER
6	1677746	1	SPRING, Compression
7	1919381	1	WASHER, 11/32 x 1
8	1919438	1	NUT, Hex Lock, Exna, 5/16-18
9	1705813	1	ARM-CONTROL, Directional
10	1935048	1	NUT, Hex Flange, Two-way lock, 5/16-18
11	960431	1	PIN, Spring, 5 mm x 45 mm
12	1685481	1	SPEED CONTROL LINKAGE ASSY. KIT (Incl. Ref. Nos. 10, 13-16, 24-28)
13	1708325	1	GUIDE ASSY, Rod
14	1924940	2	WASHER
15	1708324	1	ROD, Adjusting
16	1669567	1	BALL JOINT, R.H.
17	921133	1	GREASE FITTING
18	1931801	1	CARRIAGE BOLT, 5/16-18 x 2-1/4
19	1705900	1	SUPPORT ASSY., Control (Incl. Ref. Nos. 17, 22 & 23)
20	171165	1	KNOB
21	1960106	1	SCREW, Plastite, 1/4-20 x 1
22	910542	2	RIVET, Tubular
23	1672109	1	PLATE, Wear
24	1916602	3	NUT, Jam, 3/8-24
25	165068	1	SPRING
26	163103	1	SPRING
27	1668927	1	NUT, Centerlock, 3/8-24
28	1922755	1	WASHER, 1" O.D., .13 Thick
29	1702231	1	BALL JOINT, L.H.
30	1918403	1	NUT, Jam, 3/8-24, R.H.
31	1705870	1	ADJUSTOR, Speed-Link
32	960424	1	NUT, Jam, 3/8-24, L.H.

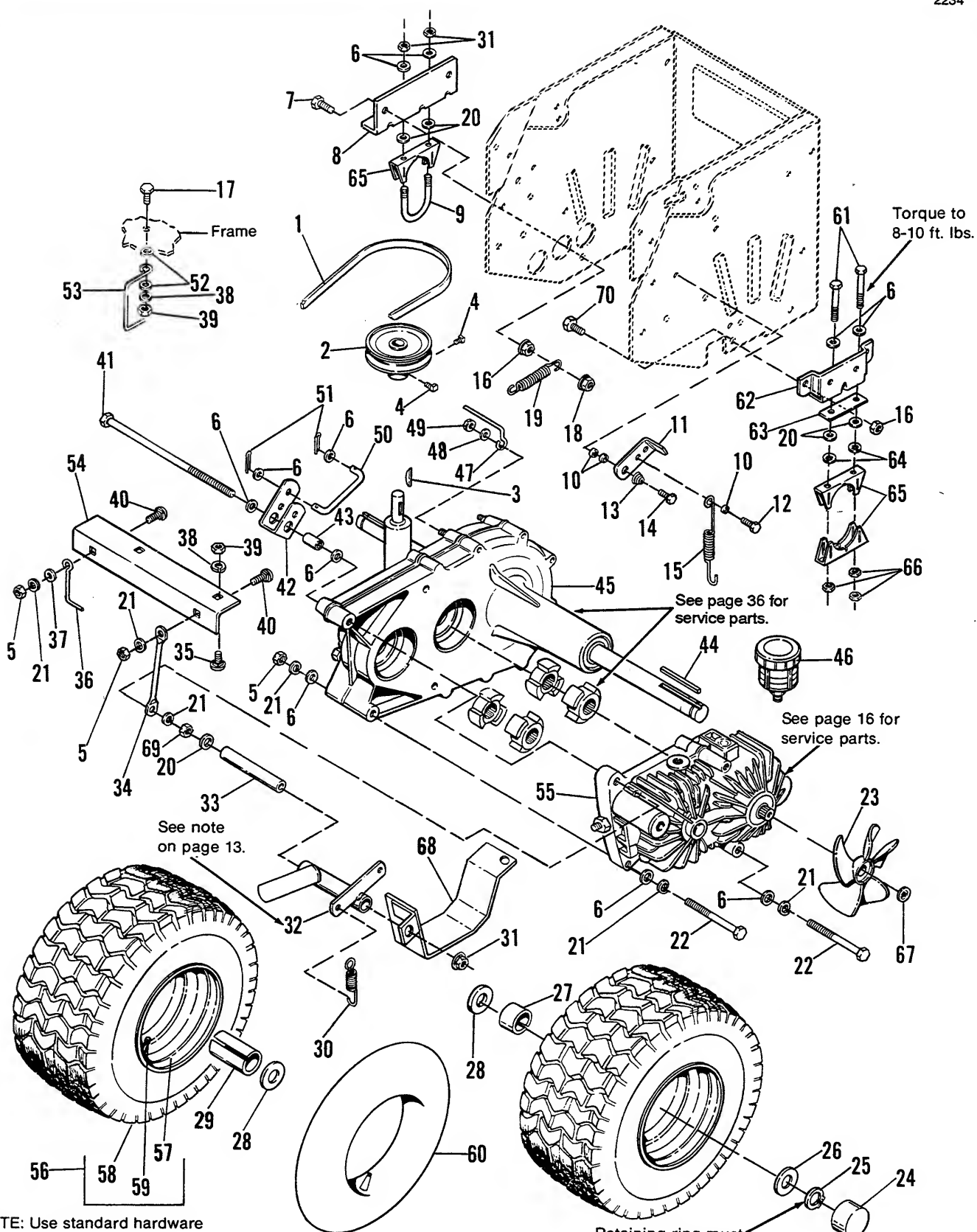


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1656960	1	"V" BELT
2	1705546	1	PULLEY ASSY.
3	924819	1	KEY, Hi-Pro, 1/8 x 5/8, #5
4	1960110	2	SET SCREW, Sq. Hd., 1/4-28
5	1917372	3	NUT, Hex, 5/16-18
6	1919326	8	WASHER, 5/16 Std.
7	1921974	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
8	1705882	1	SUPPORT, Transmission
9	1705895	2	"U" BOLT
10	1702219	3	SPACER
11	1705879	1	LEVER, Hydro Release Valve
12	1925003	1	SCREW, Taptite, 1/4-20 x 1/2
13	157127	1	SPRING, Conical
14	1925592	1	SCREW, Taptite, 1/4-20 x 3/4
15	1705868	1	SPRING, Tension
16	1928352	4	NUT, Hex Flange Lock, 3/8-16
17	1920415	1	CAPSCREW, Hex, 3/8-16 x 1-1/4
18	1930645	1	NUT, Hex Flange, Two-Way Lock, 3/8-16
19	159106	1	SPRING
20	1924874	8	WASHER, 5/16
21	1917356	5	LOCKWASHER, 5/16
22	1925692	3	CAPSCREW, Hex Hd., 5/16-18 x 4-1/2
23	1707054	1	FAN, Blade, 5"
24	1673333	2	CAP, Hub, Threaded
25	927794	2	"E" RING
26	1960160	2	WASHER, 3/4
27	124044	1	SPACER
28	1960114	2	WASHER
29	1705880	1	SPACER
30	121037	1	SPRING
31	1935048	3	NUT, Hex, Flange, Two-Way Lock, 5/16-18
32	* 1705842	1	TOW VALVE LEVER ASSY.
33	* 1706087	1	TUBE, Pivot, Internal

See page 15 for Ref. Nos. 34 thru 70.

***NOTE:** If ordering replacement part Ref. No. 32, P/N 1705842, Tow Valve Lever, make sure Ref. No. 33, Pivot Tube, is over 5", not 4-7/8". If not, also order new Pivot Tube, Part No. 1706087.

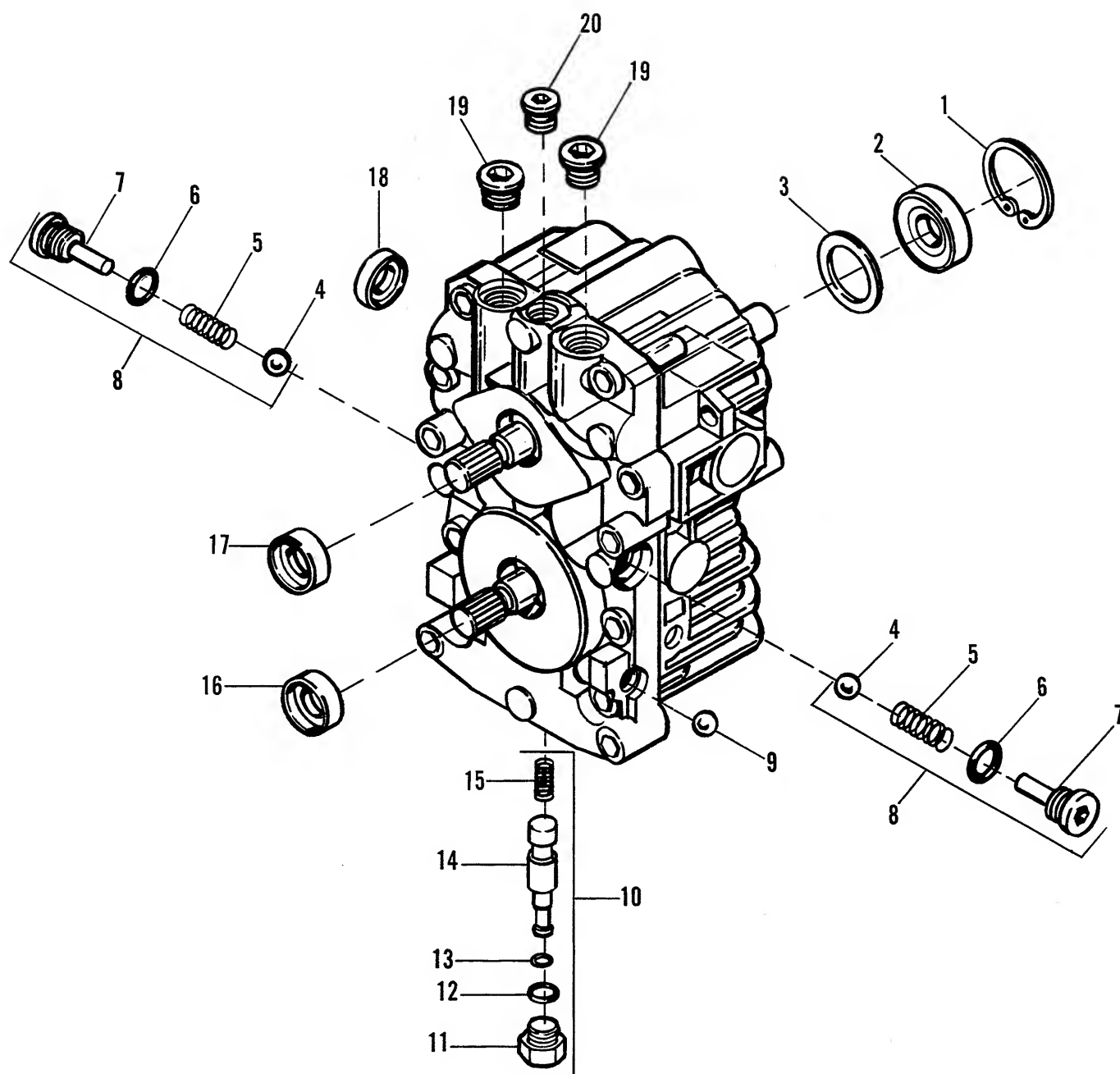


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
34	1705515	1	TORQUE STRAP
35	1931349	2	CARRIAGE BOLT, 3/8-16 x 7/8
36	1705872	1	STOP, Belt
37	1919381	1	WASHER, Plain, 5/16
38	1916965	3	LOCKWASHER, 3/8
39	1916950	3	NUT, Hex, 3/8-16
40	1931335	2	CARRIAGE BOLT, 5/16-18 x 1
41	1960416	1	CAPSCREW, Hex Hd., 5/16-18 x 11
42	1705803	1	PIVOT, Brake
43	1705906	1	SPACER
44	8221042	2	KEY, 3/16 x 3/16 x 1-1/2
45	1705770	1	TRANSAXLE (See page 36-39 for service parts.)
46	1705881	1	RESERVOIR, Expansion
47	1708356	1	BELT GUIDE
48	1921319	1	WASHER
49	1930642	1	NUT, Hex, Flange, Two-Way Lock, 1/4-20
50	1705810	1	ROD, Brake
51	1918447	2	PIN, Cotter
52	1922755	2	WASHER, 3/8
53	1673106	1	STOP, Belt
54	1705874	1	BRACKET, Support
55	1705771	1	TRANSMISSION, Hydro (See page 17 for service parts.)
56	1673244	2	WHEEL & TIRE ASSY., 18 x 8.50-8
57	1673245	2	WHEEL ASSY.
58	1655916	2	TIRE, Turf Saver, 18 x 8.50-8
59	172353	2	VALVE STEM & CAP
60	164247	2	TUBE
61	1925690	2	CAPSCREW, Hex Hd., 5/16-18 x 3-1/2
62	1706381	1	BRACKET, Transmission Support
63	1706371	1	PLATE, Shim
64	934953	2	NUT, Push
65	1706383	3	CLAMP, "U" Bracket
66	1919438	3	NUT, Esna, Hex Lk., 5/16-18
67	* 1706616	1	RING, Self-Locking
68	* 1707031	1	GUARD, Fan
69	1920161	1	NUT, Hex Jam, 5/16-18
70	1921210	1	CAPSCREW, Hex, 3/8-16 x 1

See page 13 for Ref. Nos. 1 thru 33.

* NOTE: Used on later models. Can be ordered for early models when replacing fan (Ref. No. 23).

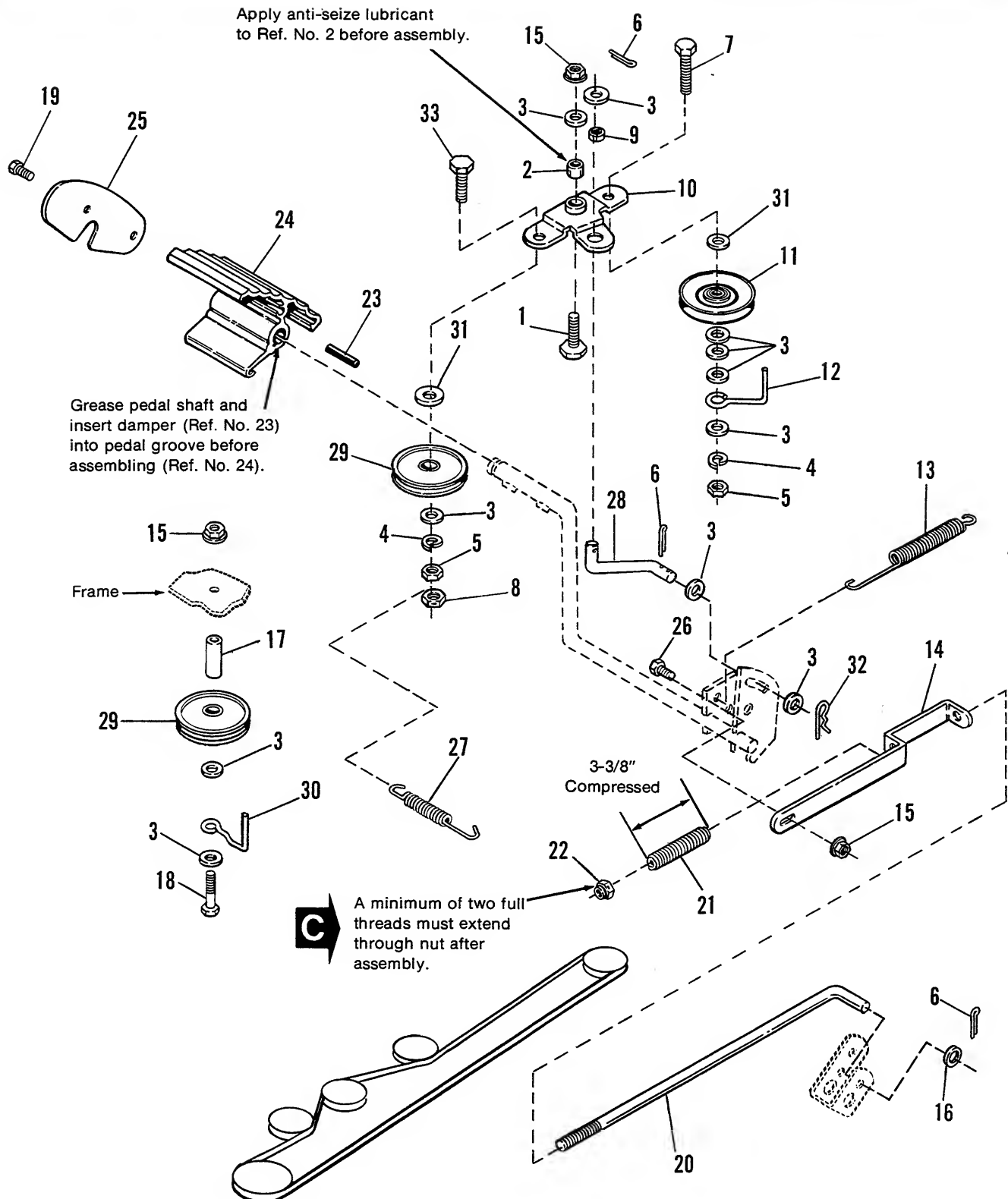


NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1706174	1	RETAINING RING
2	1706173	1	LIP SEAL
3	1706172	1	SPACER
4	1706184	2	BALL
5	1706185	2	SPRING
6	1706183	2	O-RING (.078 x .468)
7	1706182	2	CHECK VALVE PLUG
8	1706181	2	CHECK VALVE KIT (Incl. Ref. Nos. 4-7)
9	1706176	1	PIPE PLUG
10	1706186	1	BY PASS VALVE KIT (Incl. Ref. Nos. 11-15)
11	1706190	1	BY PASS PLUG
12	1706187	1	O-RING (.072 x .351)
13	1706191	1	O-RING
14	1706189	1	BY PASS SPOOL
15	1706188	1	SPRING
16	1706177	1	LIP SEAL, Motor
17	1706178	1	LIP SEAL, Pump
18	1706175	1	LIP SEAL
19	1706179	2	O-RING BOSS PLUG, 9/16-18 Str. Thd., Socket Hd.
20	1706180	1	O-RING BOSS PLUG, 7/16-20 Str. Thd., Socket Hd.

The indicated parts are included in the Overhaul Seal Kit 1706192.

**2232



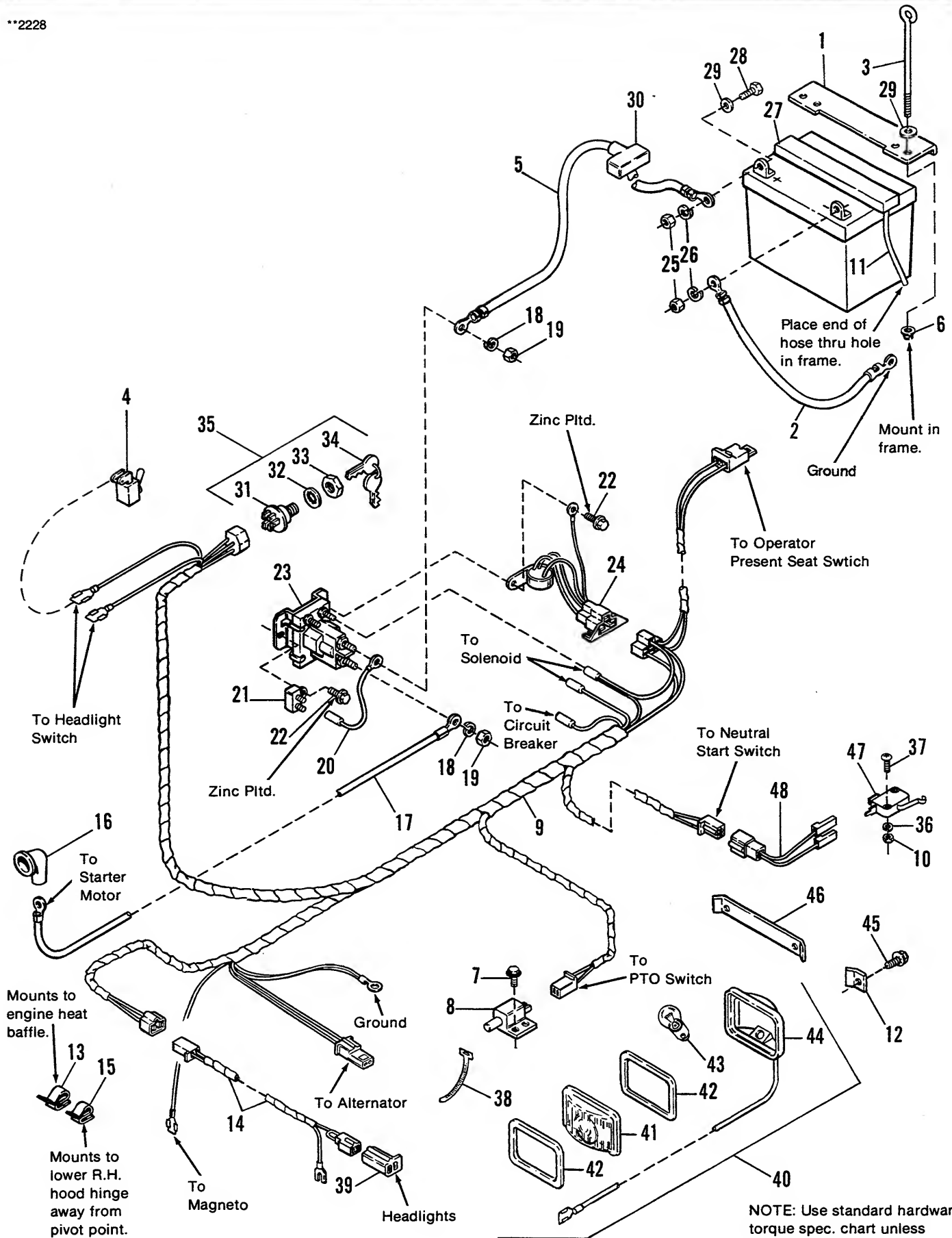
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1960032	1	SCREW, Hex, 3/8-16 x 1-1/4, Thin Hd.
2	1669999	1	SPACER
3	1924940	10	WASHER, 13/32 x 7/8, 14 Ga.
4	1916965	2	LOCKWASHER, 3/8
5	1916950	4	NUT, Hex, 3/8-16
6	1918447	3	PIN, Cotter
7	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
8	1960251	1	NUT, Hexlock Jam, 3/8-16
9	1669255	1	BUSHING, Ball
10	1658953	1	ARM ASSY., Clutch
11	1708029	1	PULLEY, "V"
12	1656054	1	STOP, Belt
13	159181	1	SPRING, Tension, Clutch
14	1663138	1	GUIDE, Rod
15	1960339	3	NUT, Hex Flangelock, 3/8-16
16	1919326	1	WASHER, 5/16
17	172452	1	SPACER
18	1923938	1	CAPSCREW, Hex, 3/8-16 x 3-1/2
19	1927429	2	SCREW, Taptite, 1/4-20 x 5/8
20	1705818	1	ROD, Brake
21	1663136	1	SPRING
22	1919438	1	NUT, ESNA, Hex Jam, 5/16-18
23	1659907	1	DAMPER, Rubber
24	1656852	1	PEDAL, Foot
25	1656854	1	PLATE, End
26	1925204	1	CAPSCREW, Hex, 3/8-16 x 1
27	1700347	1	SPRING
28	1672120	1	LINK, Clutch Arm
29	1708030	2	PULLEY ASSY., Idler
30	1706382	1	STOP, Belt
31	1922755	3	WASHER, 13/32 x 1, 10 Ga. Plain
32	1960074	1	CLIP, Spring
33	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2

BRAKE LINKAGE ADJUSTMENT

1. Perform parking brake adjustment in Operator's Manual.
2. With brake/clutch pedal depressed and parking brake locked, adjust brake spring (Ref. No. 21) to have an overall length of $3\text{-}3/8" \pm 1/16"$.

**2228

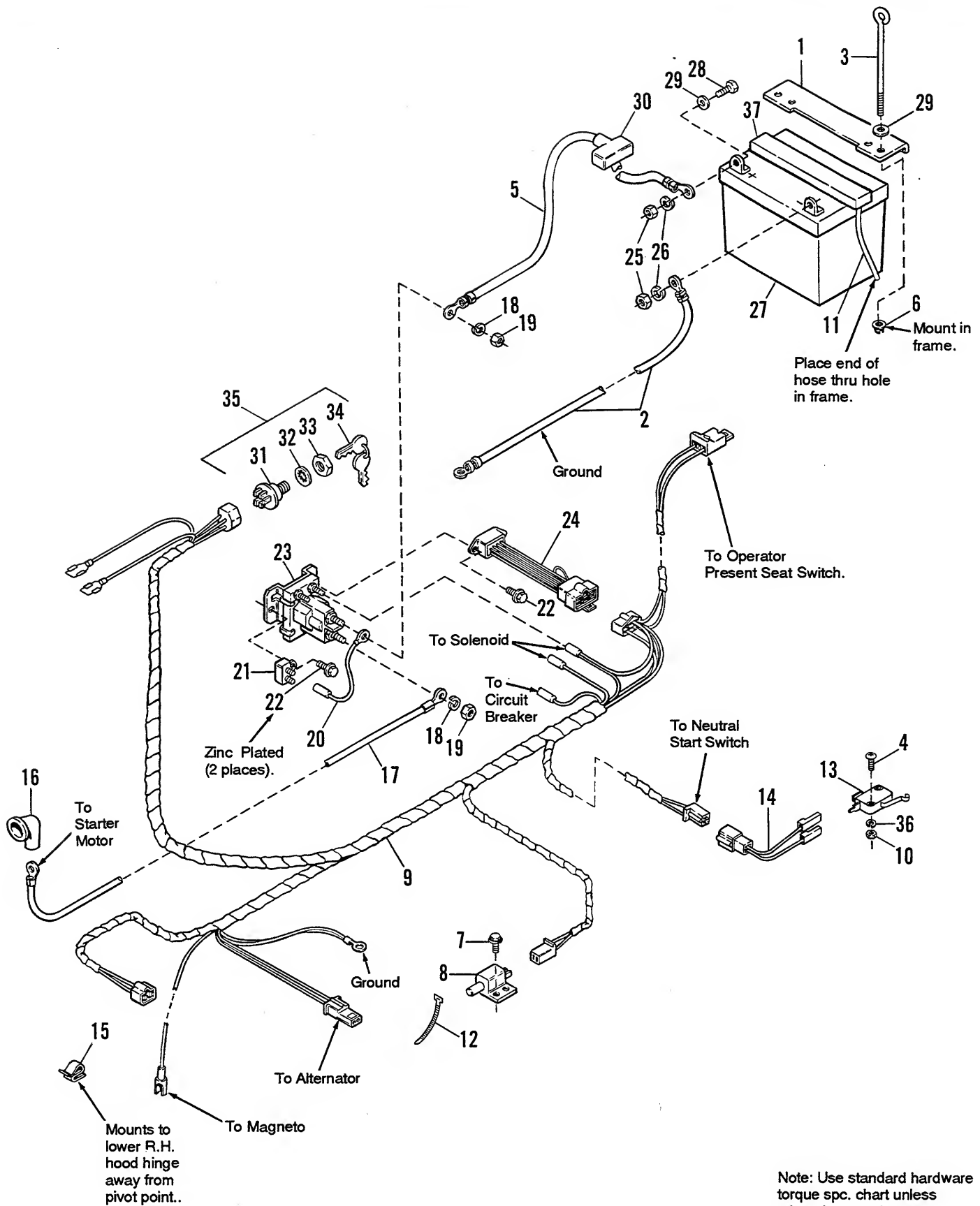


Ref. No.	Part No.	Qty.	Description
1	1669831	1	HOLD DOWN, Battery
2	1703484	1	CABLE, Ground (Negative)
3	1700472	2	ROD, Battery Hold Down
4	122184	1	SWITCH, Headlight
5	1603618	1	CABLE (Positive)
6	1704349	2	NUT, Retainer, 1/4-20
7	1929477	4	SCREW, Taptite, #10-24 x 1/2
8	1701580	2	SWITCH, PTO
9	* 1703463	1	HARNESS, Wiring
	** 1685464	1	HARNESS, Wiring
10	1931003	2	NUT, Hex, #5-40
11	1704583	1	HOSE, Battery Drain
12	1654636	2	CLIP, Side, Headlight
13	930222	1	CLIP, Wire
14	1701604	1	WIRE ASSY., Headlights
15	165073	2	CLIP, Wire
16	122023	1	COVER, Terminal
17	1701522	1	CABLE
18	1917356	2	LOCKWASHER, 5/16
19	1920263	2	NUT, Hex, 5/16-24
20	1665237	1	WIRE ASSY.
21	1665238	1	CIRCUIT BREAKER
22	927429	2	SCREW, Taptite, 1/4-20 x 5/8, Zinc Pltd.
23	1685290	1	SOLENOID
24	* 1672654	1	MODULE, Interlock, Seat Switch
	** 1685466	1	MODULE, Interlock, Seat Switch
25	1916622	2	NUT, Hex, 1/4-20
26	921319	2	LOCKWASHER, 1/4
27	1685215	1	BATTERY, 39 Amp.
28	1923341	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
29	921319	4	WASHER, 1/4 I.D.
30	1677296	1	BOOT, Insulator
31		1	SWITCH (See Ref. No. 35)
32	918906	1	LOCKWASHER, Internal, 5/8
33	122234	1	NUT, Hex, 5/8-32
34	122203	1	KEYS
35	1674244	1	SWITCH, Ignition (Incl. Ref. Nos. 31 thru 34)
36	1930947	2	LOCKWASHER, #5
37	1935031	2	SCREW, Phillips #5-40 x 3/4
38	932747	1	TIE, Cable
39	1702106	1	CONNECTOR
40	1665934	2	LIGHT ASSY. (Incl. Ref. Nos. 41 thru 44)
41	1665933	2	LENS, Plastic, Clear
42	1654662	4	GASKET
43		2	BULB #199 (Purchase locally)
44	1654664	2	REFLECTOR ASSY.
45	1960034	4	SCREW, Plastite, #10-14 x 1/2
46	1657553	1	CLIP, Center, Headlight
47	1665586	1	SWITCH, Transmission Interlock
48	1702323	1	ADAPTOR, Wire

* For frame grounded models. Used to replace Delta Interlock Module (round metal housing).

** For engine grounded models. Used to replace Interlock Module (black rectangular plastic housing).

**2228



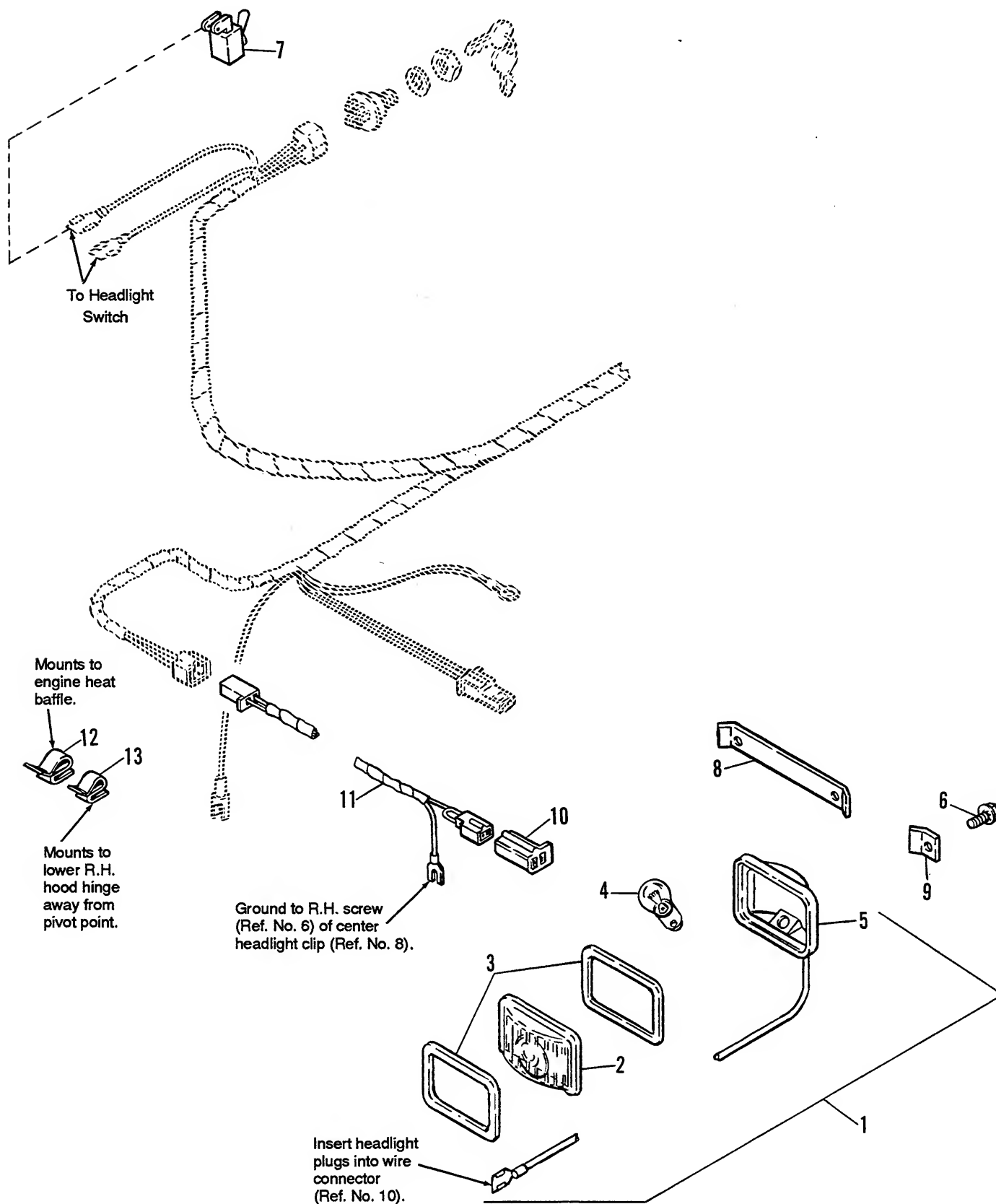
Note: Use standard hardware torque spc. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1669831	1	HOLD DOWN, Battery
2	1703484	1	CABLE, Ground (Negative)
3	1700472	2	ROD, Battery Hold Down
4	1935031	2	SCREW, Phillips #5-40 x 3/4
5	1603618	1	CABLE (Positive)
6	1704349	2	NUT, Retainer, 1/4-20
7	1929477	2	SCREW, Taptite, #10-24 x 1/2
8	1701580	1	SWITCH, PTO
9	* 1707757	1	HARNESS, Wiring
	** 1685464	1	HARNESS, Wiring
10	1931003	2	NUT, Hex, #5-40
11	1704583	1	HOSE, Battery Drain
12	932747	1	TIE, Cable
13	1665586	1	SWITCH, Transmission Interlock
14	1702323	1	ADAPTOR, Wire
15	165073	1	CLIP, Wire
16	122023	1	COVER, Terminal
17	1701522	1	CABLE
18	1917356	2	LOCKWASHER, 5/16
19	1920263	2	NUT, Hex, 5/16-24
20	1665237	1	WIRE ASSY.
21	1665238	1	CIRCUIT BREAKER
22	927429	2	SCREW, Taptite, 1/4-20 x 5/8, Zinc Pltd.
23	1685290	1	SOLENOID
24	* 1707755	1	MODULE, Interlock, Seat Switch
	** 1685466	1	MODULE, Interlock, Seat Switch
25	1916622	2	NUT, Hex, 1/4-20
26	1916964	2	LOCKWASHER, 1/4
27	1685215	1	BATTERY, 39 Amp.
28	1923341	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
29	1921319	4	WASHER, 1/4 I.D.
30	1677296	1	BOOT, Insulator
31	1679006	1	SWITCH
32	918906	1	LOCKWASHER, Internal, 5/8
33	122234	1	NUT, Hex, 5/8-32
34	122203	1	KEYS
35	1674244	1	SWITCH, Ignition (Incl. Ref. Nos. 31 thru 34)
36	1930947	2	LOCKWASHER, #5
37	1704581	1	VENT CAP, Battery

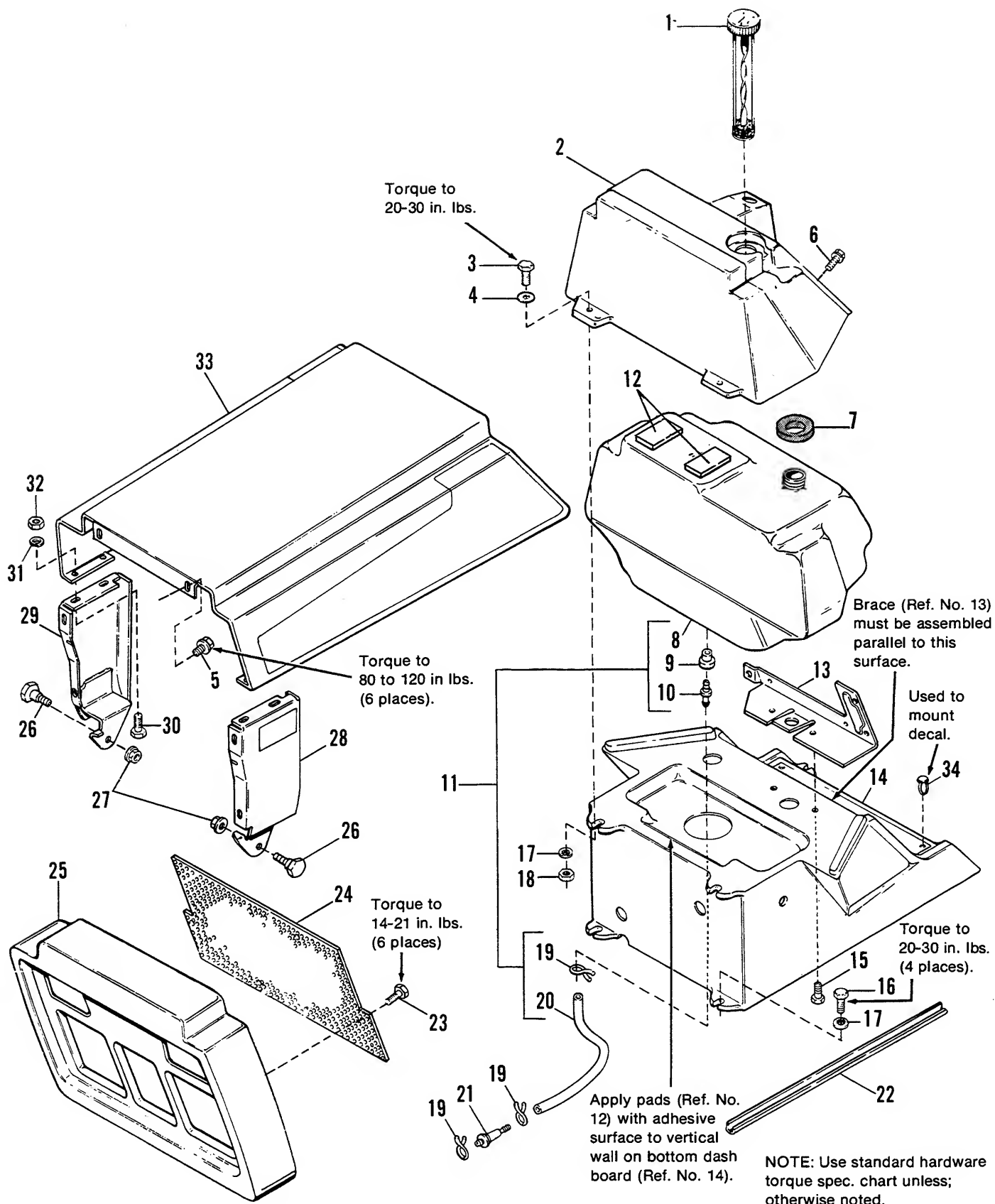
* Used on Mfg. No. 1692053 after serial no. 2720.

** Used on Mfg. No. 1692053 before serial no. 2721.

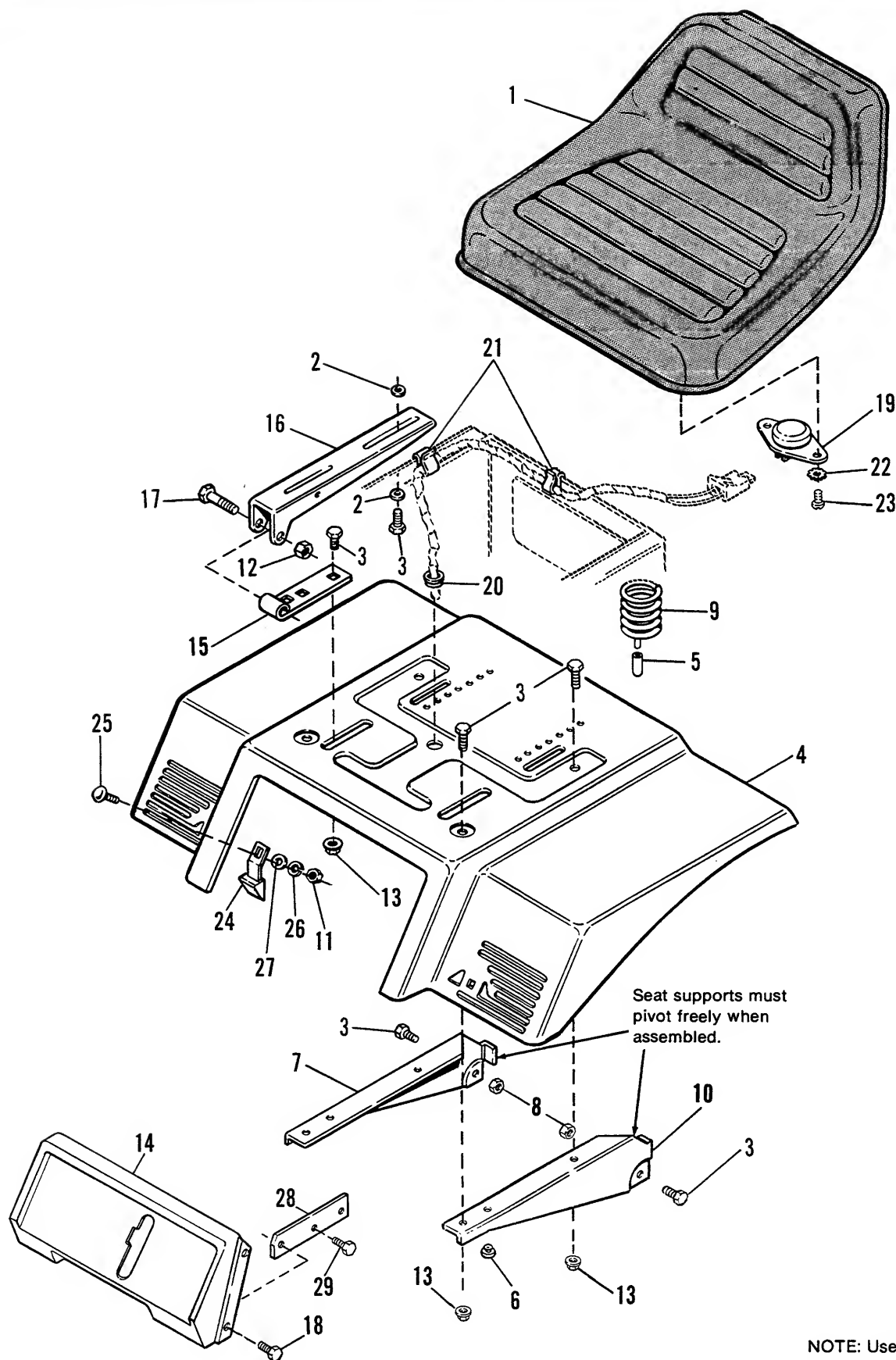
Note: See page 24-25 for optional Headlight Kit, Mfg. No. 1685470



Ref. No.	Part No.	Qty.	Description
1	1665934	2	LIGHT ASSY.
2	1665933	2	LENS
3	1654662	4	GASKET
4		2	BULB, #199 (Purchase locally)
5	1654664	2	REFLECTOR ASSY.
6	1960034	4	SCREW, Plastite, 10-14 x 1-1/2
7	122184	1	LIGHT SWITCH ASSY.
8	1657553	1	CLIP, Center
9	1654636	2	CLIP, Side
10	1702106	1	CONNECTOR
11	1701604	1	WIRE ASSY.
12	930222	1	CLIP, Wire
13	165073	1	CLIP, Wire

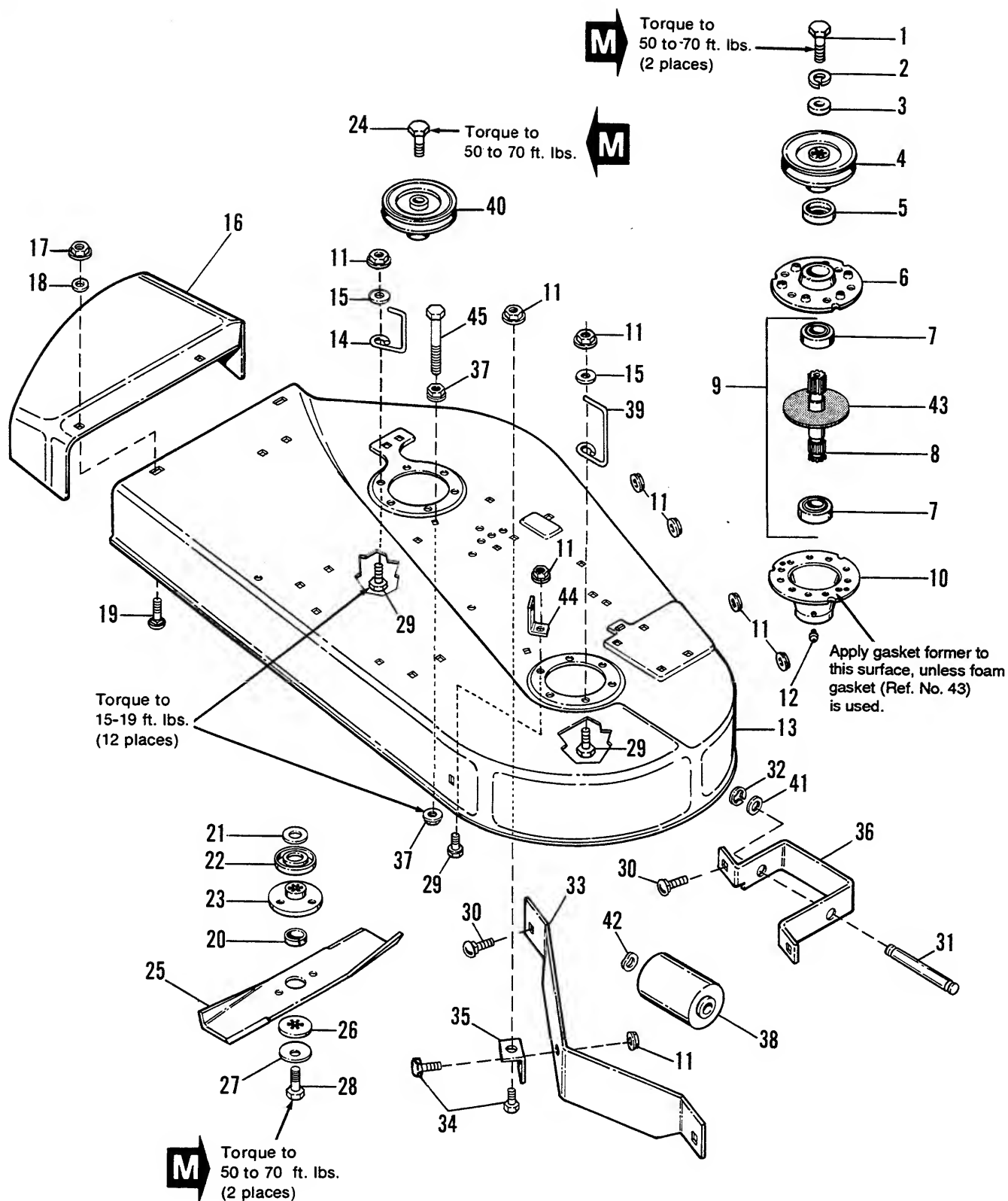


Ref. No.	Part No.	Qty.	Description
1	171252	1	CAP, Fuel Tank
2	1672630	1	DASHBOARD, Top
3	1921961	2	CAPSCREW, Hex, 1/4-20 x 1-1/4
4	1921319	8	WASHER, 1/4
5	1960106	6	SCREW, Plastite, 1/4 x 1
6	1676860	2	SCREW, Hex Washer Hd., 1/4-20 x 5/8
7	1664897	1	WASHER, Foam
8		1	FUEL TANK (See Ref. No. 11)
9	1654930	1	BUSHING
10	1666447	1	FITTING
11	1685297	1	TANK ASSY., Fuel (Incl. Ref. Nos. 8, 9, 10, 19 (Qty. 1) & 20)
12	173335	2	PAD
13	1665301	1	BRACE
14	1707393	1	DASHBOARD, Bottom
15	1925592	2	SCREW, Taptite, 1/4-20 x 3/4
16	1929783	4	SCREW, Taptite, 1/4-20 x 1
17	1931704	6	LOCKWASHER, Dish, 1/4
18	1923358	2	LOCKNUT, Hex, 1/4-20
19	1960112	3	CLAMP, Hose
20	1676861	1	HOSE, Fuel
21	173206	1	FILTER, Fuel
22	1672123	2	EDGING, Lower Dash
23	1960034	6	SCREW, Plastite, #10-24 x 1/2
24	1656793	1	SCREEN
25	1685241	1	GRILLE
26	1656792	2	BOLT, Shoulder, 5/16-18 x 7/8
27	1935048	2	NUT, Hex, Flange, Two-Way Lock, 5/16-18
28	1656787	1	PANEL ASSY., L.H.
29	1656786	1	PANEL ASSY., R.H.
30	1921958	4	CAPSCREW, Hex, 1/4-20 x 1/2
31	1916964	4	LOCKWASHER, 1/4
32	1916622	4	NUT, Hex, 1/4-20
33	1656774	1	HOOD
34	1667248	4	CLIP, Canoe



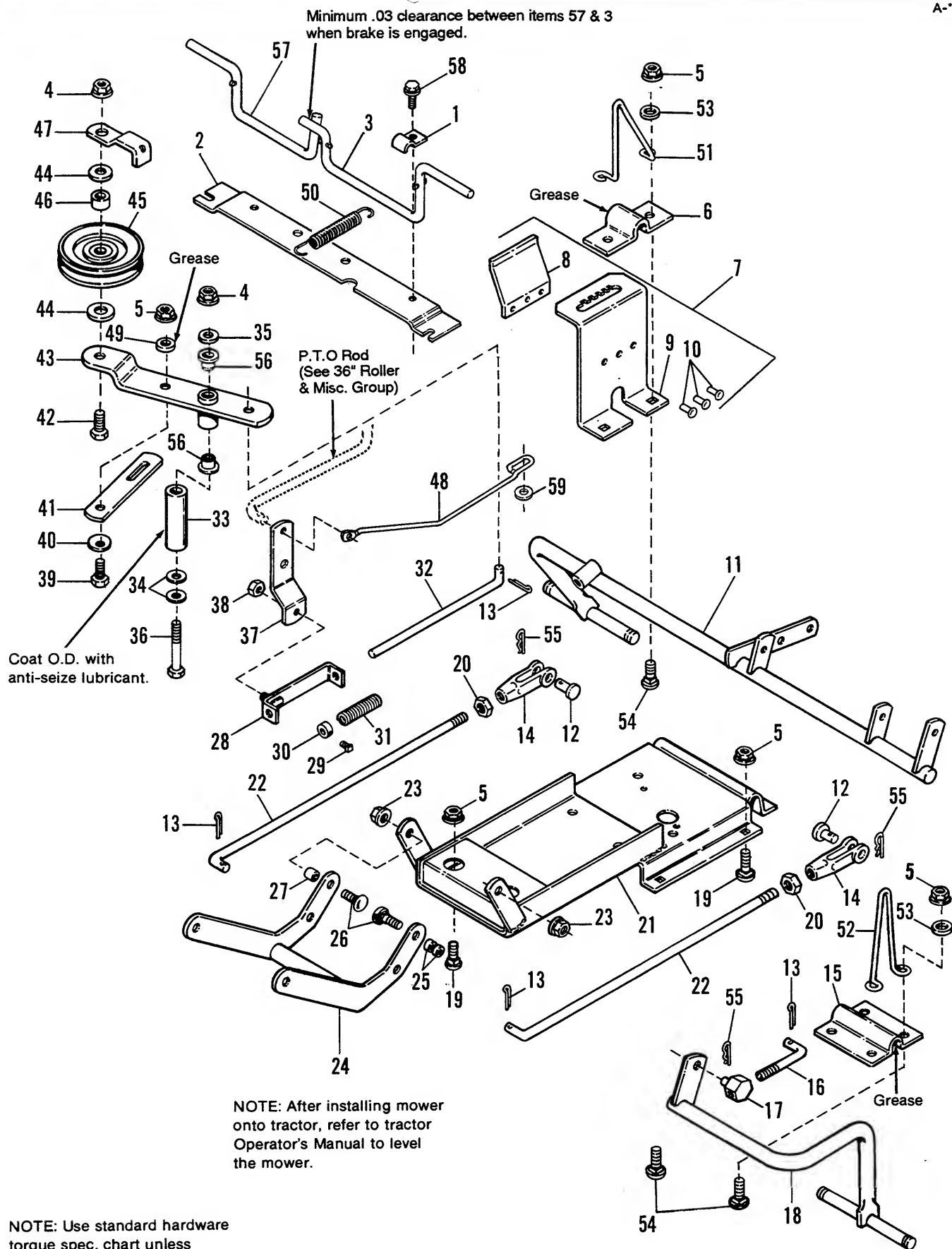
NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1700618	1	SEAT
2	1919326	4	WASHER, Plain, 11/32
3	1921332	14	CAPSCREW, Hex, 5/16-18 x 3/4
4	1702690	1	DECK, Seat
5	1666691	2	COVER, Wire
6	1701742	2	BUMPER, Plug
7	1701736	1	SUPPORT, Seat, R.H.
8	1919438	2	NUT, Hex, Lock, 5/16-18
9	1666690	2	SPRING, Seat
10	1701737	1	SUPPORT, Seat, L.H.
11	1917372	2	NUT, Hex, Full, 5/16-18
12	1930651	2	LOCKNUT, Hex, 3/8-16
13	1927557	8	Nut, Hex, Flange Whizlock, 5/16-18
14	1670670	1	PANEL, Shift
15	1701560	2	HINGE, Lower
16	1701559	2	HINGE, Upper
17	1923701	2	CAPSCREW, Hex, 3/8-16 x 2
18	1928729	4	SCREW, Hex, Taptite, 5/16-18 x 3/8
19	1703373	1	SWITCH, Seat
20	1701229	1	BUSHING, Snap
21	930222	2	CLIP
22	1921880	2	LOCKWASHER, 1/4 Ext. Tooth
23	1960357	2	SCREW, Rd. Hd., 1/4-20 x 3/4
24	1701252	2	SEAT LATCH ASSY.
25	1931333	2	BOLT, Carriage, 5/16-18 x 3/4
26	1917356	2	LOCKWASHER, 5/16
27	1919326	2	WASHER, 5/16
28	1670674	2	BRACE, Shift Panel
29	1927428	6	SCREW, Taptite, 1/4-20 x 3/8



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

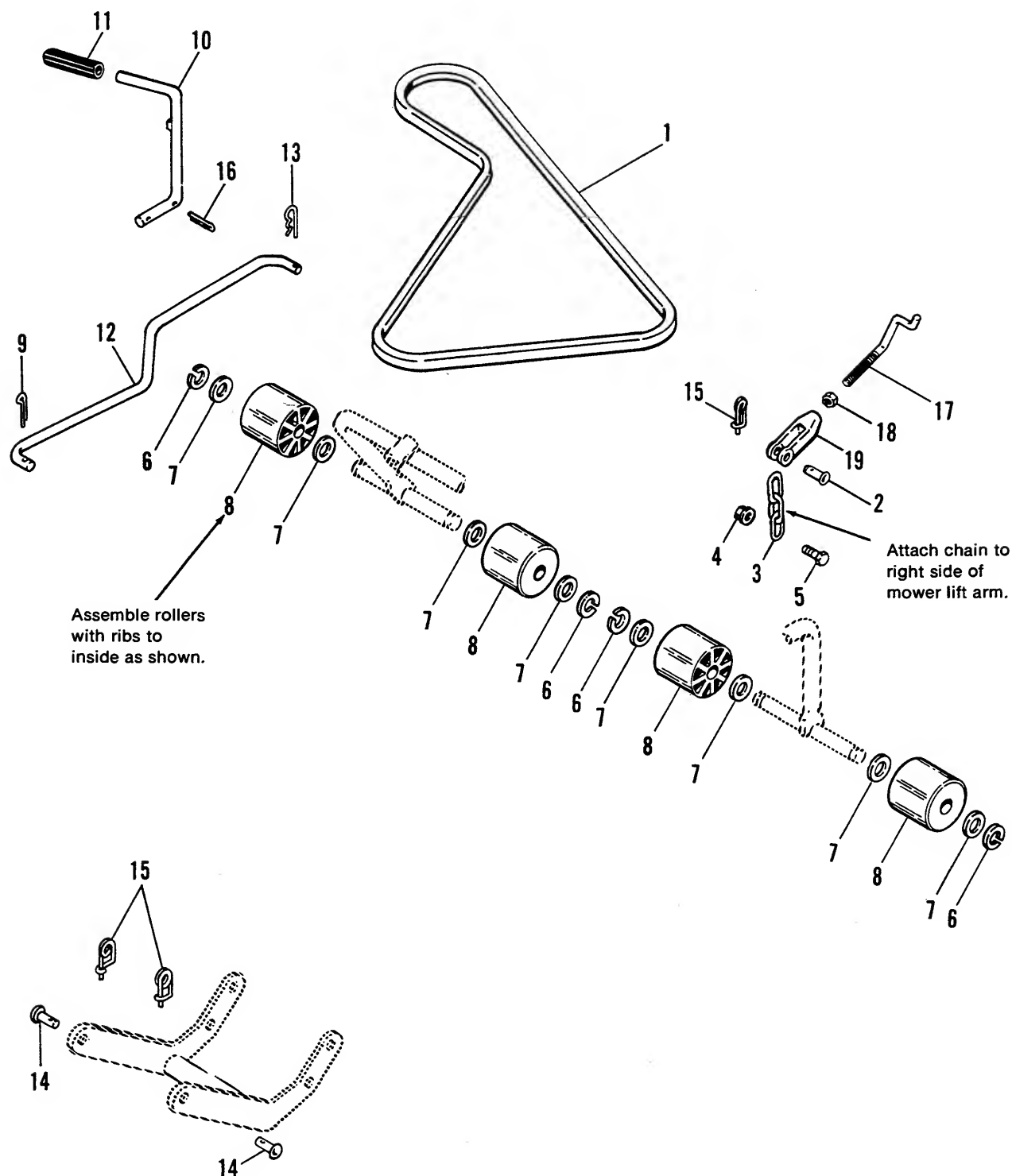
Ref. No.	Part No.	Qty.	Description
1	1930585	2	CAPSCREW, Hex Hd., 7/16-14 x 3-1/2
2	1918199	2	LOCKWASHER, 7/16
3	1933263	2	WASHER, 29/64 x 1-1/4 x 1/4
4	1673109	1	PULLEY ASSY.
5	1657969	2	SHIELD, Bearing, Upper
6	1655729	2	ARBOR HOUSING, Top
7	108202	4	BEARING
8	1685245	2	SHAFT, Arbor (Incl. Ref. No. 20)
9	1685251	2	SHAFT & BEARING ASSY. (Incl. Ref. Nos. 7 (Qty. 2), 8, 20 & 43)
10	1703273	2	ARBOR HOUSING ASSY., Bottom (Incl. Ref. No. 12)
11	1931277	9	NUT, Hex, Flange Whizlock, 5/16-18
12	1704314	2	GREASE FITTING
13	1685102	1	HOUSING, 36" (Incl. Safety Decals)
14	1657660	1	STOP, Belt
15	1919326	2	WASHER, 11/32
16	1702190	1	DEFLECTOR
17	1931211	2	NUT, Hex, Flange Whizlock, 3/8-16
18	1924940	2	WASHER, 13/32
19	1931348	2	BOLT, Carriage, 3/8-16 x 3/4
20	1672132	2	COLLAR, Arbor
21	1700230	2	WASHER, Shim
22	1700229	2	SHIELD, Grass
23	1655777	2	ADAPTOR, Blade
24	1930584	1	CAPSCREW, Hex Hd., 7/16-14 x 2-3/4
25	1657589	2	BLADE, 36"
26	1656927	2	WASHER, Spline
27	1656916	2	WASHER, Cup
28	1923491	2	CAPSCREW, Hex Hd., 7/16-14 x 1
29	1960373	12	SCREW, Hex, Wash. Hd., Taptite, 5/16-18 x 1
30	1931333	4	BOLT, Carriage, 5/16-18 x 3/4
31	1603205	1	SHAFT, Roller, Center
32	927793	1	E-RING
33	1671577	1	BAFFLE
34	1921332	2	CAPSCREW, Hex Hd., 5/16-18 x 3/4
35	1668500	1	BRACKET, Mower
36	1705953	1	BRACKET, Center, Roller
37	1927557	2	NUT, Hex Flange Whizlock, 5/16-18
38	1668513	1	ROLLER
39	1673106	1	STOP, Belt
40	1655839	1	PULLEY ASSY.
41	960171	1	WASHER, Nylon
42	1678100	1	WASHER, Wave
43	1707335	2	GASKET, Foam
44	1678339	1	BRACKET, Lift
45	1925690	1	CAPSCREW, Hex Hd., 5/16-18 x 3-1/2



Ref. No.	Part No.	Qty.	Description
1	1664004	4	CLIP, Brake Rod
2	1701532	1	SUPPORT, Brake
3	1701535	1	ROD, Brake
4	1930645	2	NUT, Hex Flange, 3/8-16
5	1931277	14	NUT, Hex, Flange Whizlock, 5/16-18
6	1654655	1	STRAP
7	1663223	1	QUADRANT ASSY. (Includes Ref. Nos. 8, 9 & 10)
8	1663222	1	SPRING, Flat
9		1	QUADRANT (See Ref. No. 7)
10	910542	3	RIVET, Tubular, 3/16 x 5/16
11	1668099	1	SUPPORT ASSY., Roller, R.H.
12	1923087	2	PIN, Clevis
13	1918447	4	PIN, Cotter, 3/32 x 3/4
14	108157	2	CLEVIS, Adjusting
15	1653768	1	CLAMP, Adjusting, Wheel Support
16	1655811	1	ROD, Bolt
17	108512	1	PIVOT
18	1668098	1	SUPPORT ASSY., Roller, L.H.
19	1931333	8	BOLT, Carriage, 5/16-18 x 3/4
20	1916950	4	NUT, Hex, Full, 3/8-16
21	1702341	1	SUPPORT ASSY., Mower
22	1702502	2	ROD, Height Adjustment
23	1930645	2	LOCKNUT, Hex, Flange, 3/8-16
24	1674011	1	ARM ASSY., Rocker
25	108717	1	SPACER
26	1923220	2	CARRIAGE BOLT, 3/8-16 x 1-1/4
27	154177	1	SPACER
28	108662	1	GUIDE ASSY., Rod
29	1928804	1	SETSCREW, 1/4-20 x 3/8
30	8191022	1	COLLAR, Set
31	163103	1	SPRING
32	171320	1	ROD, Clutch
33	1657242	1	SPACER
34	924356	2	WASHER
35	1924940	1	WASHER, Plain, 13/32
36	1928957	1	CAPSCREW, Hex Hd., 3/8-16 x 2-3/4
37	1656991	1	ARM, Pivot
38	1923362	1	LOCKNUT, Hex, 5/16-18
39	* 1921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
40	* 177649	1	WASHER, Compression
41	* 1701563	1	LEVER, Brake
42	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
43	1677750	1	LEVER ASSY., Clutch (Incl. Ref. No. 56 Qty. 2)
44	1922755	2	WASHER, Plain
45	1685150	1	PULLEY ASSY.
46	1666294	1	SPACER
47	1677135	1	GUARD, Spring
48	** 1707563	1	ROD, Brake
49	* 1655085	1	SPACER
50	159159	2	SPRING
51	1669232	1	UP-STOP, R.H.
52	1669233	1	UP-STOP, L.H.
53	1919326	4	WASHER, Plain
54	1920564	6	BOLT, Carriage, 5/16-18 x 1-1/4
55	1960074	3	CLIP, Hair Pin
56	1663114	2	BUSHING, Universal
57	1701536	1	ROD, Brake
58	1924856	4	SCREW, Hex Hd., Tapite, 5/16-18 x 1/2
59	** 1924940	1	WASHER, 13/32

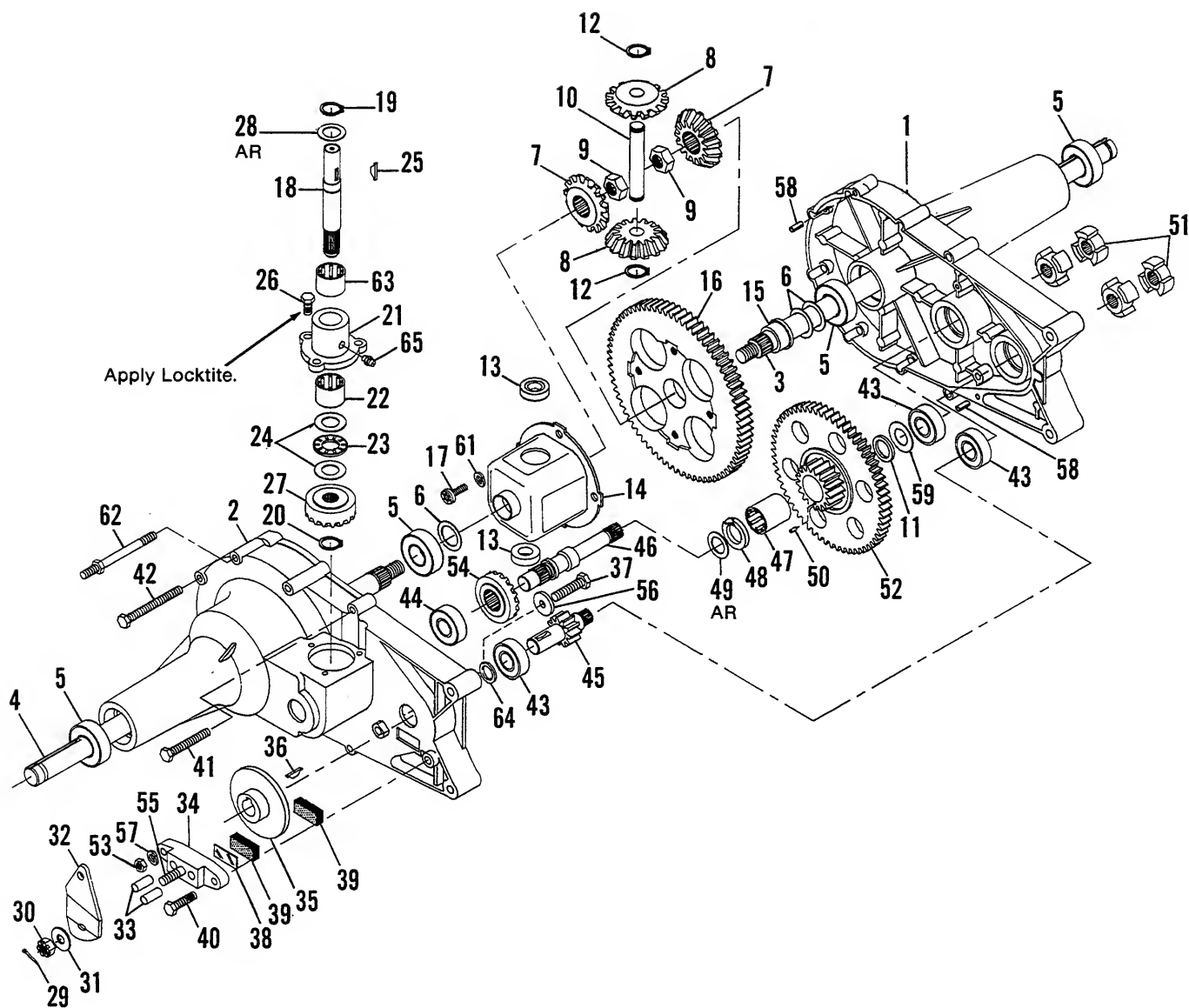
* Early Model Blade Brake system.

** Later Model Blade Brake system.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

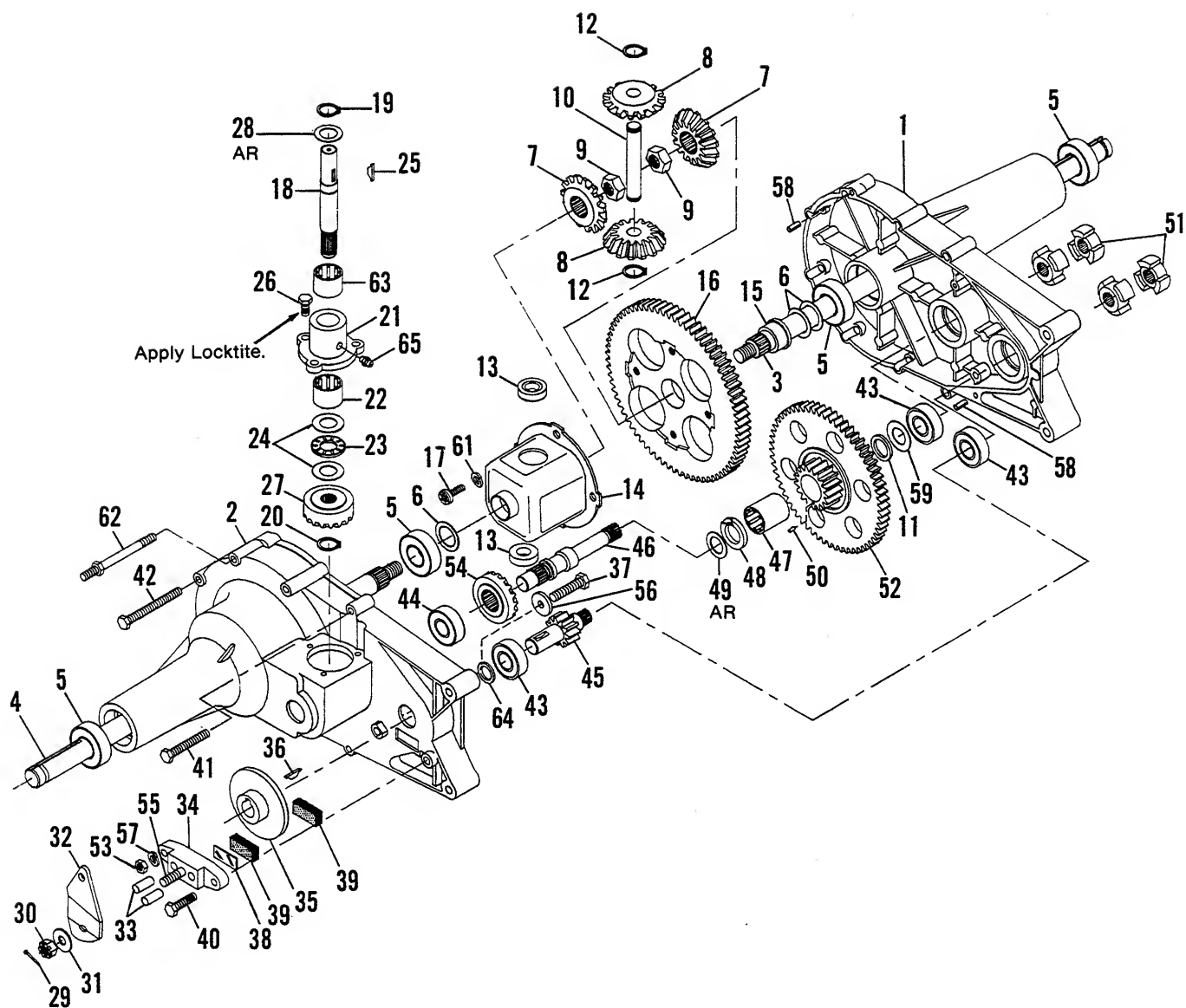
Ref. No.	Part No.	Qty.	Description
1	108505	1	V-BELT, Mower Drive
2	1673574	1	PIN, Rivet
3	1669241	1	CHAIN, Lift 4 Links
4	1935048	1	LOCKNUT, Hex, Flange, 5/16-18
5	1921333	1	CAPSCREW, Hex Hd., 5/16-18 x 1
6	153124	4	RING, Retaining
7	1960020	8	WASHER, Plain, 5/8
8	1668487	4	ROLLER
9	1918448	1	PIN, Cotter, 3/32 x 1
10	1656412	1	LEVER, Control
11	176933	1	GRIP, Handle
12	1668744	1	ROD, P.T.O.
13	1960074	1	CLIP, Hairpin
14	156306	2	PIN
15	176012	3	CLIP, Pin, Safety
16	1918452	2	PIN, Cotter, 1/8 x 1
17	1685243	1	ROD, Lift
18	1920161	1	NUT, Jam, 5/16-18
19	1673575	1	CLEVIS



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
1	1706112	1	HOUSING, Half, L.H.
2	1706113	1	HOUSING, Half, R.H.
3	1706114	1	AXLE, L.H., 3/4"
4	1706115	1	AXLE, R.H., 3/4"
5	1706116	4	BEARING, Ball
6	1706117	3	WASHER, Flat, 3/4 I.D. x 1-1/8 O.D. x .030 Thk.
7	1706118	2	GEAR, Miter
8	1706119	2	GEAR, Miter
9	1706120	2	NUT, Hex Jam w/Patch, 1/2-20
10	1706121	1	SHAFT, Cross
11	1706122	1	GREASE, Seal, Bronze
12	1706123	2	SNAP RING
13	1706124	2	BEARING, Thrust
14	1706125	1	HOUSING ASSY., Differential
15	1706126	1	BEARING, Flange
16	1706127	1	GEAR, Differential, 1/2 Tooth
17	1706128	4	BOLT, Torx Hd., 1/4-29 x 5/8" Lg.
18	1706129	1	SHAFT, Input
19	1706130	1	SNAP RING
20	1706131	1	RETAINING RING, 7/16" Dia. Ext.
21	1706132	1	HOUSING, Input Bearing
22	1706133	1	BEARING, Needle
23	1706134	1	BEARING, Thrust
24	960165	2	WASHER, Flat, 5/8 I.D. x 1-1/8 O.D. x .030 Thk.
25	1706135	1	KEY, Hi-Pro, 1/8 x 5/8
26	927340	3	SCREW, Hex w/Patch, 1/4-20 x 3/4 Long
27	1706136	1	GEAR, Input Pinion, 17 Tooth
28	1706137	2	WASHER, Flat, .62 I.D. x 1.0 O.D. x .030 Thk.
	121210	AR	WASHER, Flat, .62 I.D. x 1.125 O.D. x .060 Thk.
	1706138	AR	WASHER, Flat, .62 I.D. x 1.0 O.D. x .040 Thk.
29	1918447	1	PIN, Cotter
30	1706139	1	NUT, Castle, 5/16-24
31	1924874	1	WASHER, Flat, .343 I.D. x .88 O.D. x .062 Thk.
32	1706140	1	ARM, Brake Actuator
33	1706141	2	PIN, Brake Actuating

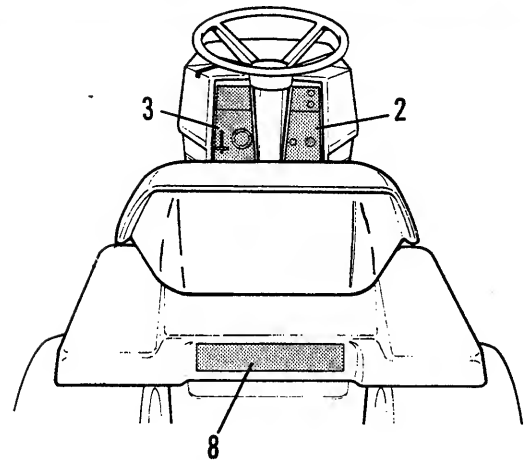
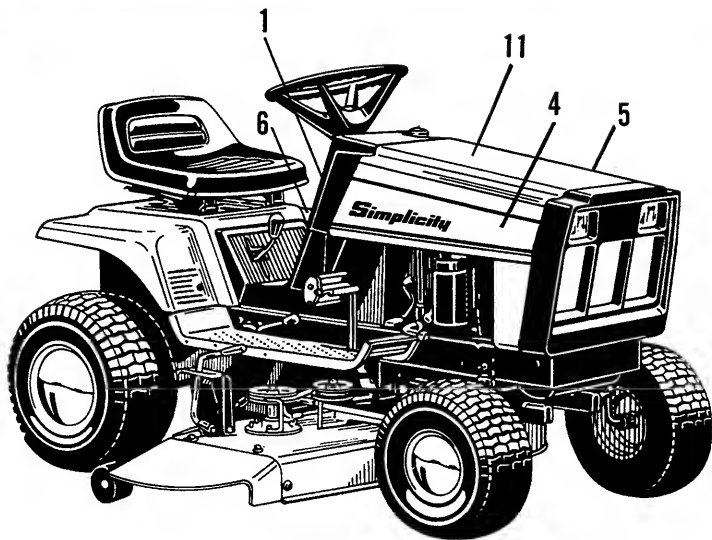
See page 39 for Ref. Nos. 34 thru 65.



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

Ref. No.	Part No.	Qty.	Description
34	1706142	1	BRAKE, Yoke
35	1706143	1	DISC, Brake
36	930672	1	KEY, Hi-Pro, 3/16 x 5/8" Dia.
37	1706144	1	SCREW, Hex, 1/4-20 x 1-1/2
38	1706145	1	PLATE, Puck
39	1706146	2	PUCK, Brake
40	1706147	1	SCREW, Hex w/Patch, 1/4-20 x 1.00 Lg.
41	1706148	2	SCREW, Hex, Self-Tap, 1/4-20 x 2.00 Lg.
42	1706149	4	SCREW, Hex, Self-Tap, 1/4-20 x 3.00 Lg.
43	1706150	3	BEARING, Ball
44	1706151	1	BEARING, Ball
45	1706152	1	SHAFT, Pinion w/11 Tooth Gear
46	1706153	1	SHAFT, Drive
47	1706154	1	BEARING, Needle
48	1706155	1	BRONZE THRUST BRG., 5/8 I.D. x 1-1/4 O.D. x 7/64 Thk.
49	1706137	1	WASHER, Flat, .62 I.D. x 1.0 O.D. x .050 Thk.
50	1706156	1	PIN, Dowel, 3/32 x 1/4
51	1706157	4	COUPLING
52	1706158	1	GEAR, 60 and 17 Tooth
53	1916622	1	NUT, Hex, 1/4-20
54	1706159	1	GEAR, Drive Pinion, 17 T.
55	1706160	1	BOLT, Square Head
56	1706161	1	WASHER, 1/4" Spring
57	1916964	1	WASHER, 1/4" Spring Lock
58	1706162	2	PIN, Roll, 3/16" Dia. x 1/2" Lg.
59	960165	1	WASHER, Flat, .62 I.D. x 1.0 O.D. x .030 Thk.
60	1706163	20	SHELL DURINA-O GREASE (20 Oz.)
61	1706171	4	WASHER, Hd. Sprg. Lock, 1/4" (Yellow Di-Chrom)
62	1706164	2	SCREW/STUD
63	1706165	1	BEARING, Needle (w/Seal)
64	1706166	1	SEAL, Grease
65	912808	1	GREASE FITTING

See page 37 for Ref. Nos. 1 thru 33.



Location Not Shown

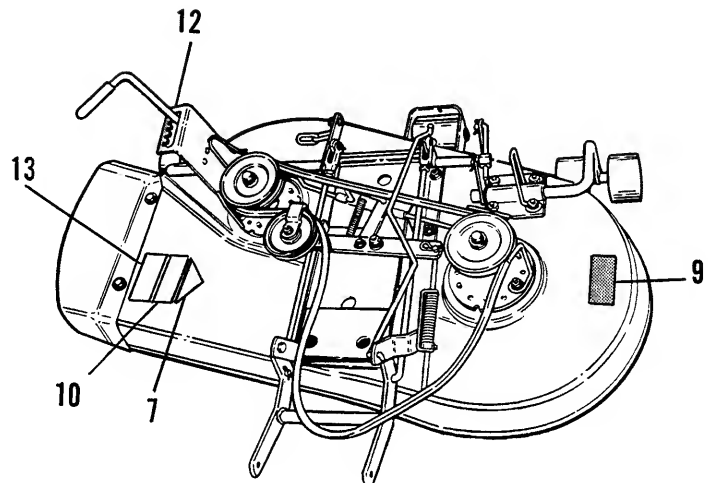


Ref. No. 9



Ref. No. 13

SAFETY DECALS



Ref. No.	Part No.	Qty.	Description
1	1708281	1	DECAL, Shift Pattern
2	1673430	1	DECAL, Dash, R.H.
3	1673431	1	DECAL, Dash, L.H.
4	1706030	1	DECAL, Hood, R.H.
5	1706031	1	DECAL, Hood, L.H.
6	1706039	1	DECAL, 12LTH
	1707723	1	DECAL, 12RTH
7		1	DECAL, OPEI (Not Serviced)
8	1668202	1	DECAL, <i>Simplicity</i>
9	1704276	1	DECAL, Danger, Rotating Blade
10	1704910	1	DECAL, Cutting Width, 36"
11	1708232	1	DECAL, Drive Belt
12	1656855	1	DECAL, Mower Height
13	1704277	1	DECAL, Danger, Deflector In Place

Not Shown:

1702637	1	DECAL, Tow Valve
1707648	1	DECAL, Simplicity 12 HP I/C (located on top of engine)
1701270	1	DECAL, Warning, Fan (located on L.H. side of wrapper above Transmission Fan)

Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Carriage Bolt



Lockwasher



Hex Nut

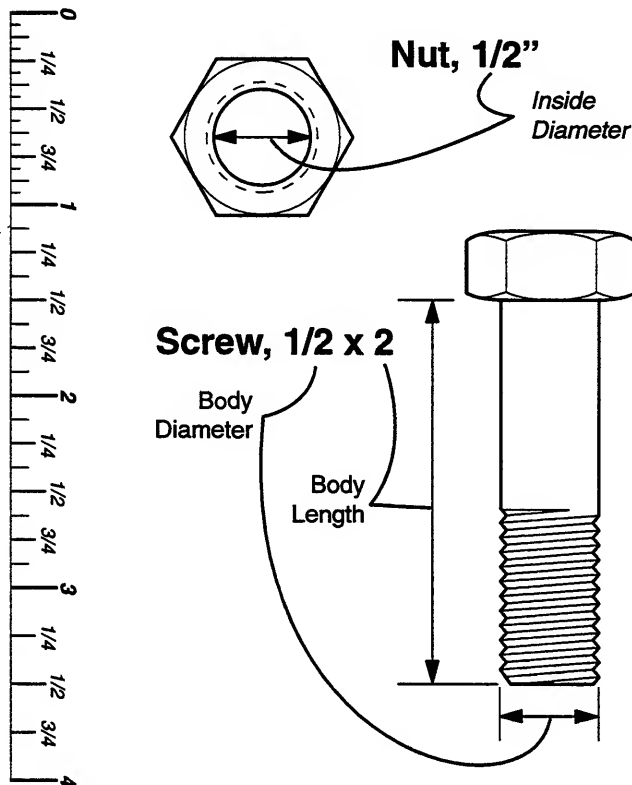


Standard Hardware Sizing

When a washer or nut is identified as 1/2", this is the **Nominal size**, meaning the **inside diameter** is 1/2 inch; if a second number is present it represents the **threads per inch**

When bolt or capscrew is identified as 1/2 - 16 x 2", this means the **Nominal size**, or **body diameter** is 1/2 inch; the second number represents the **threads per inch** (16 in this example, and the final number is the **body length** of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

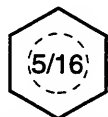
NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

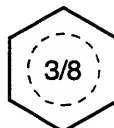
Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"



5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

Simplicity

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